Electronic Supplementary Material (ESI) for Organic & Biomolecular Chemistry.

Supporting Information

Access to C4-arylated benzoxazoles from 2-amidophenol through C-H activation

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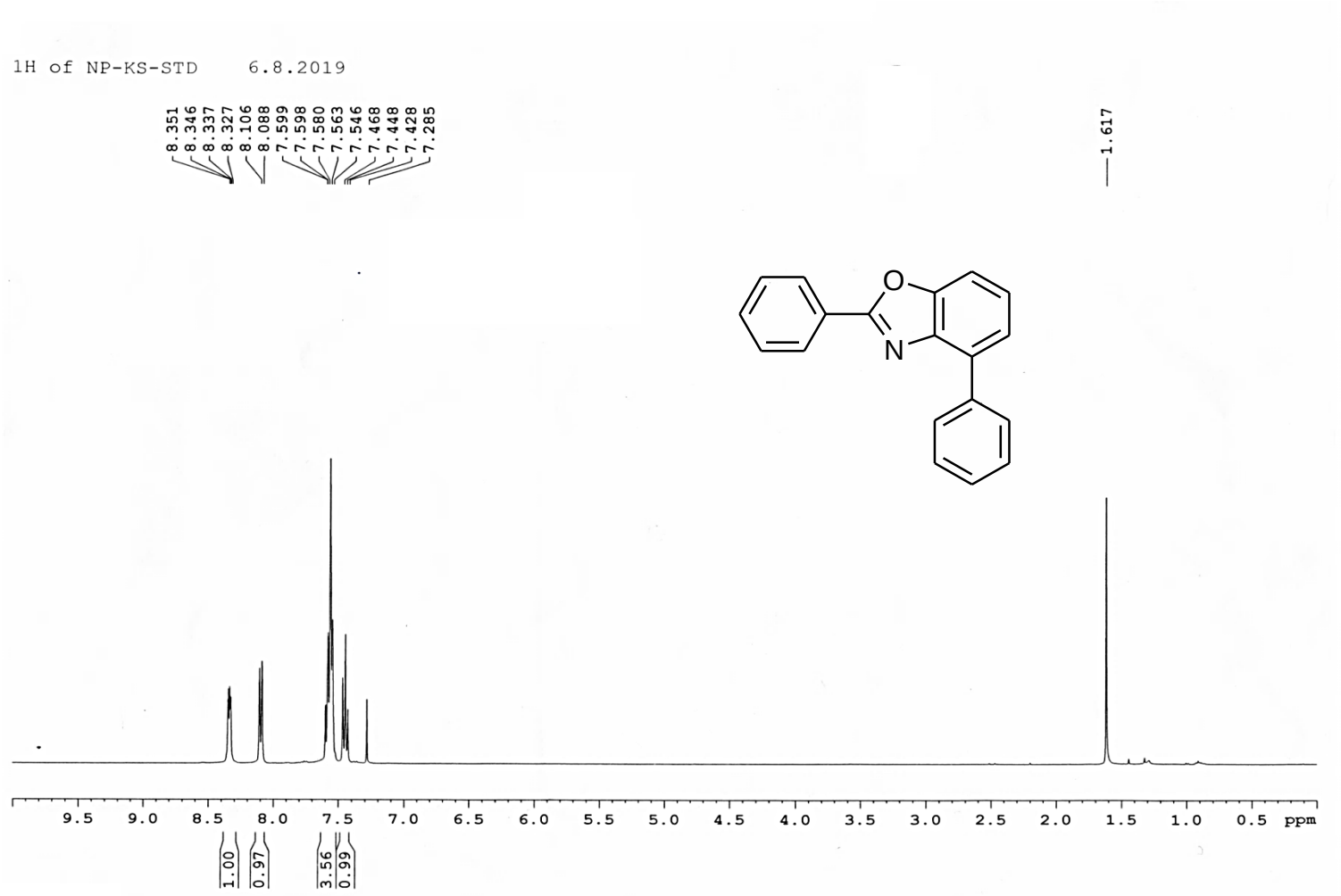
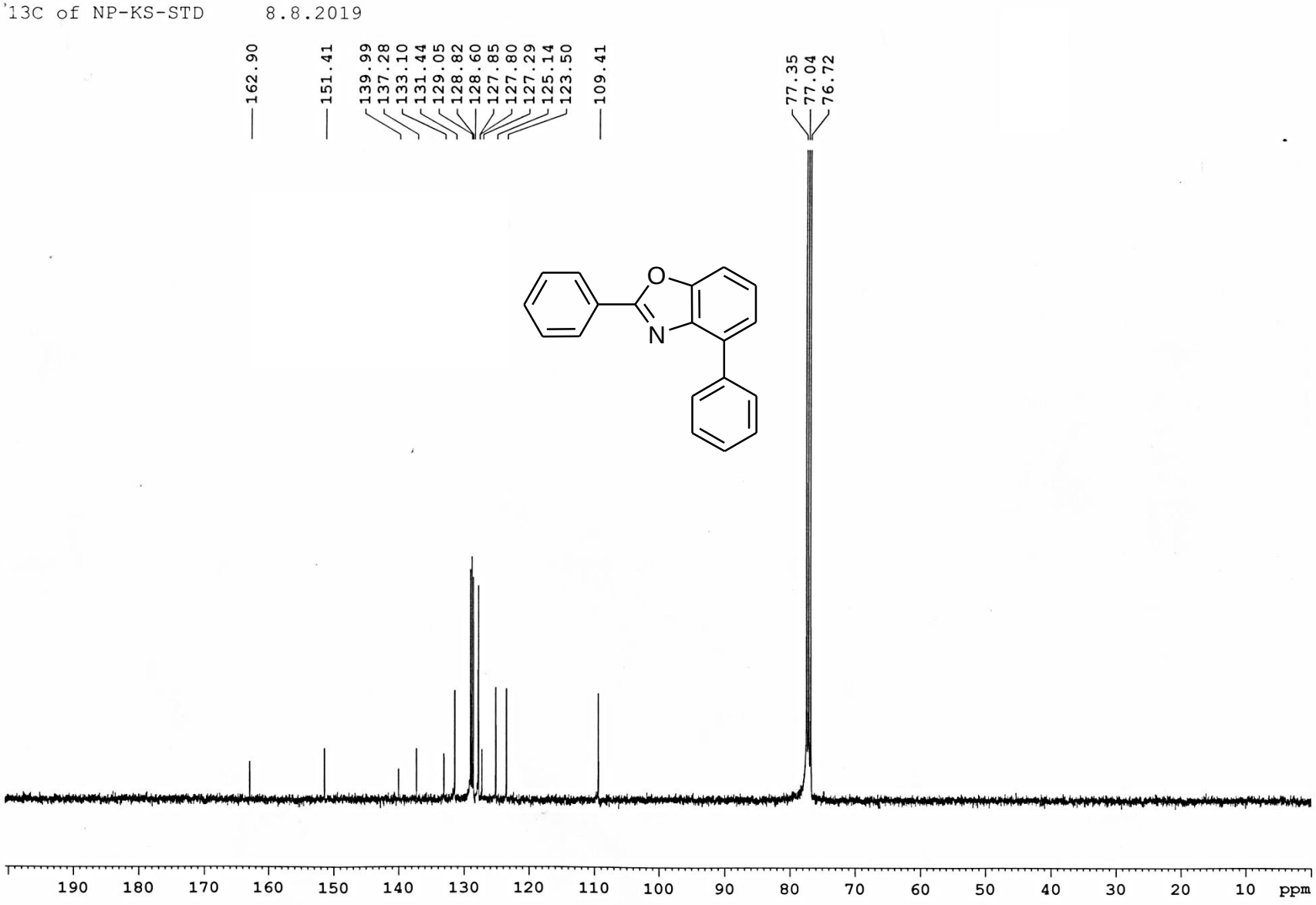
National Institute of Technology Rourkela, Odisha-769008, India

Contents

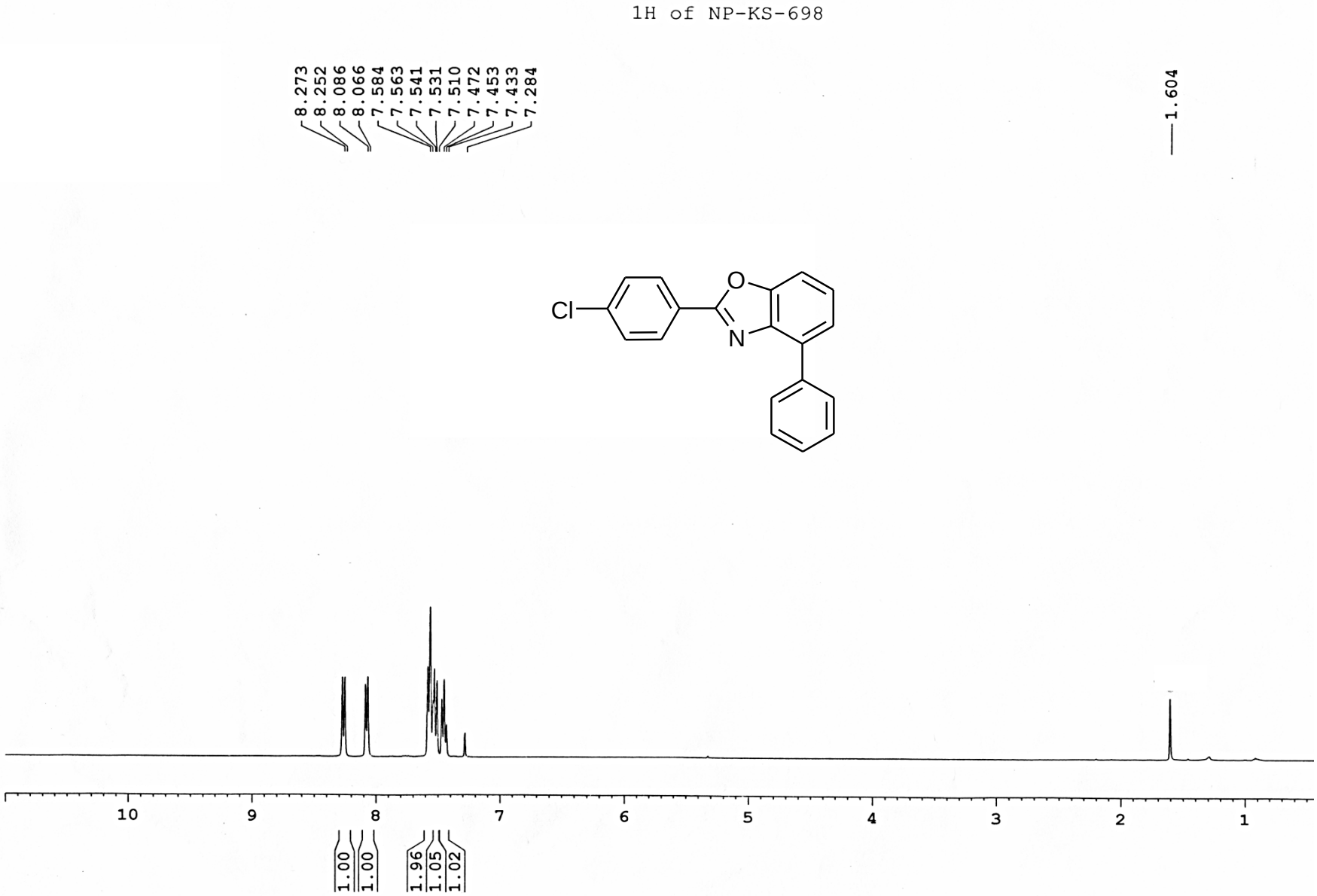
^{1}H NMR of 2, 4–biphenyl benzo[d]oxazole (3aa)



^{13}C NMR of 2, 4–biphenyl benzo[d]oxazole (3aa)



^{1}H NMR of 2-(4-chlorophenyl)-4-phenylbenzo[d]oxazole (3ba)



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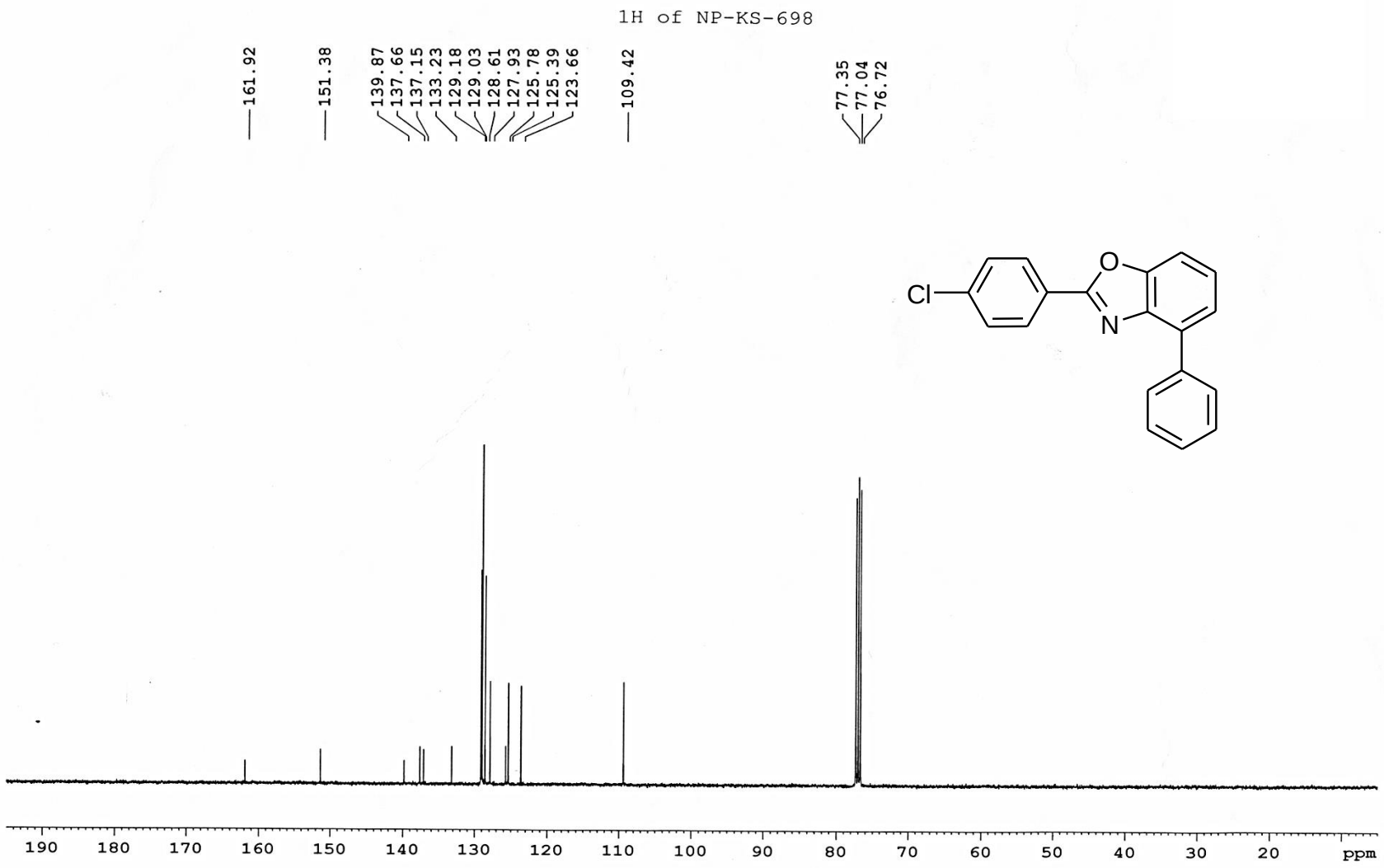

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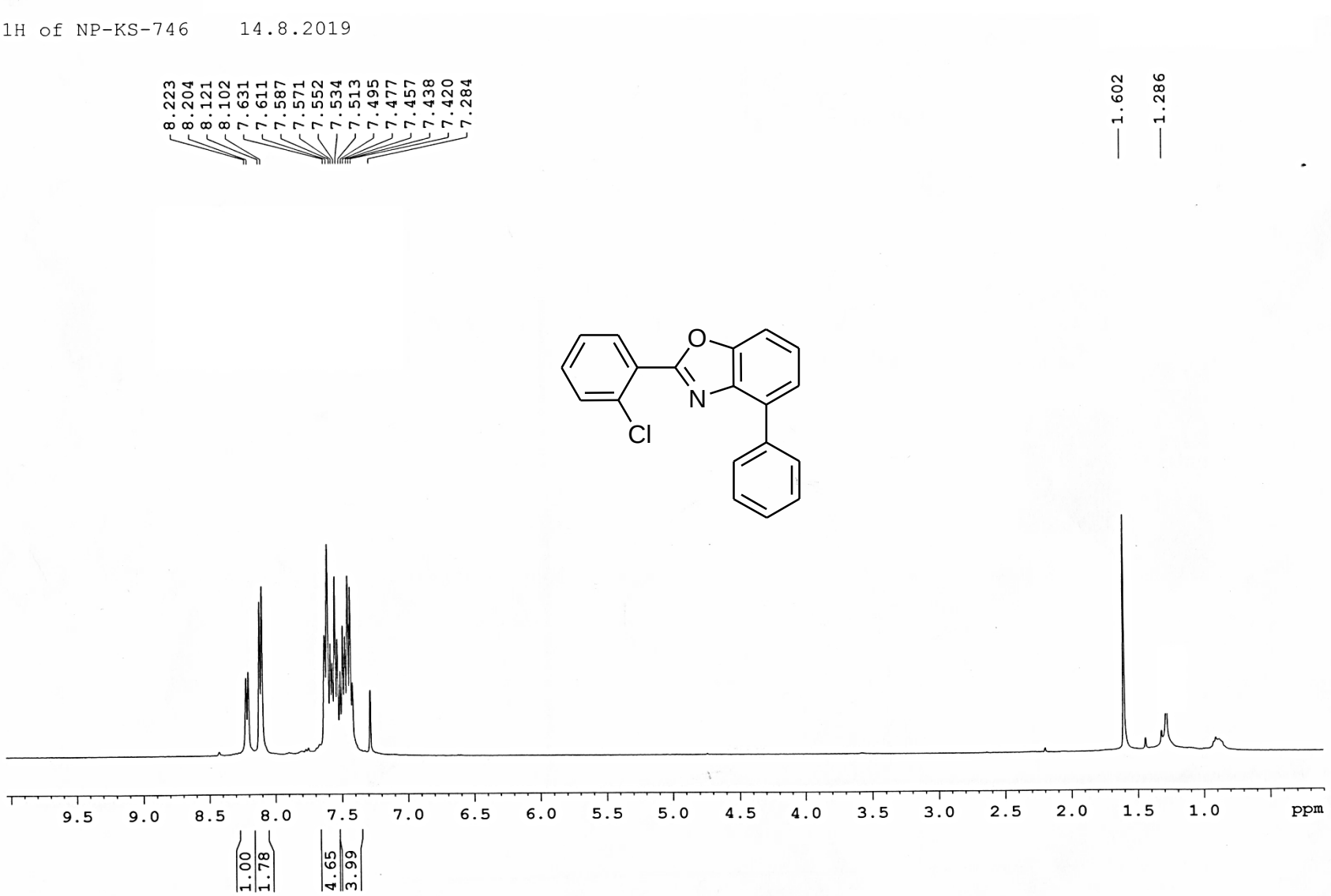

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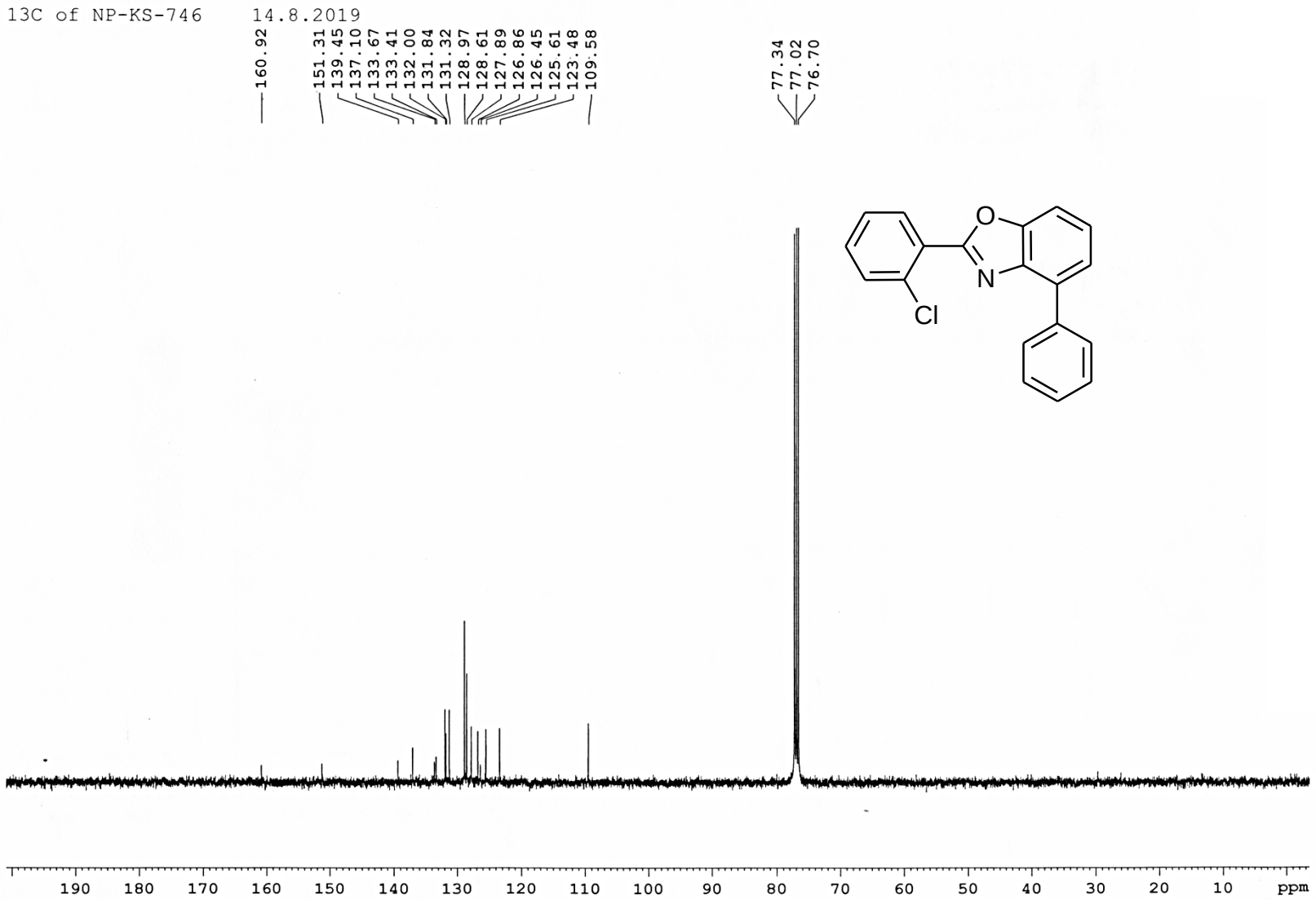

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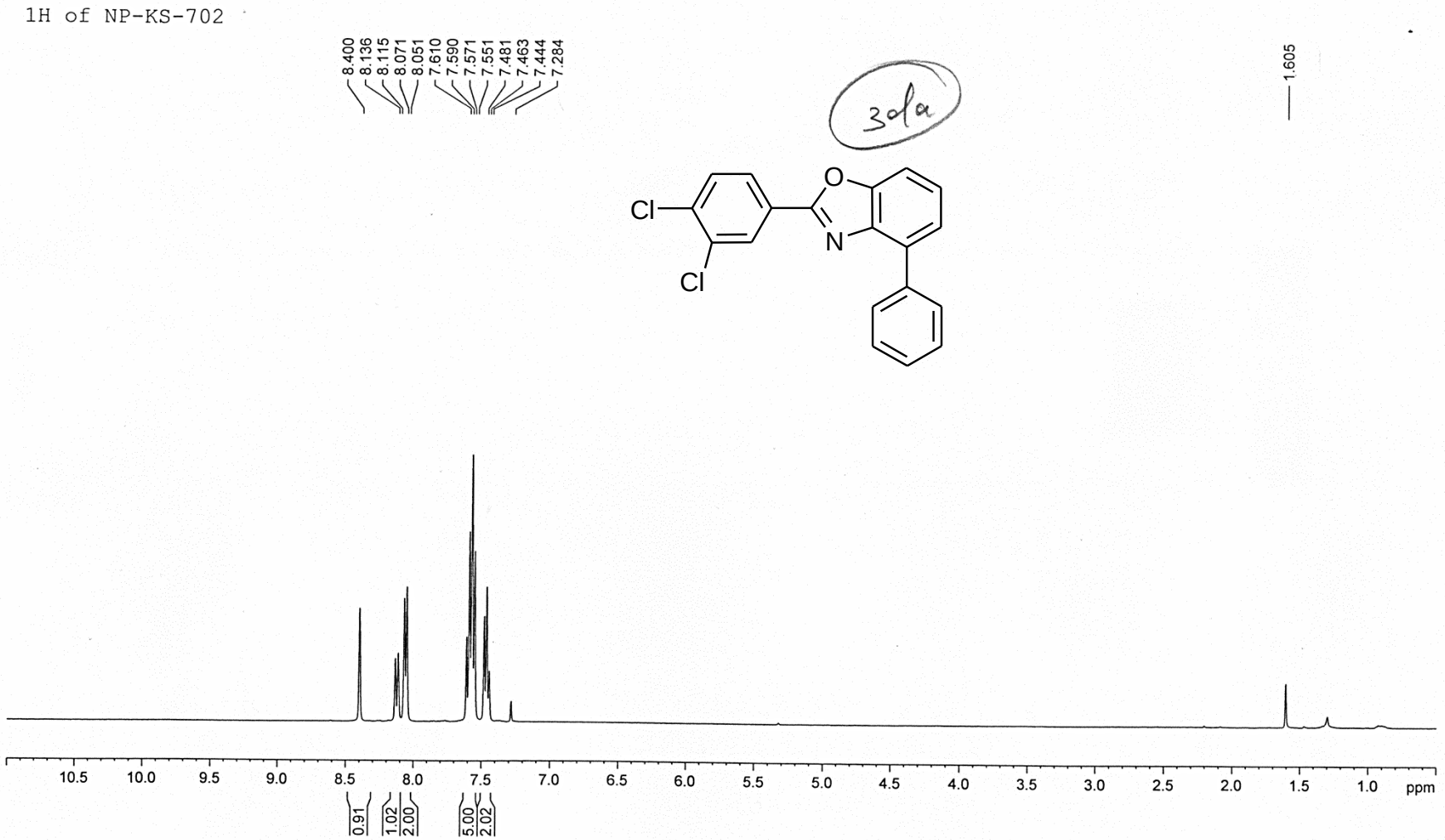

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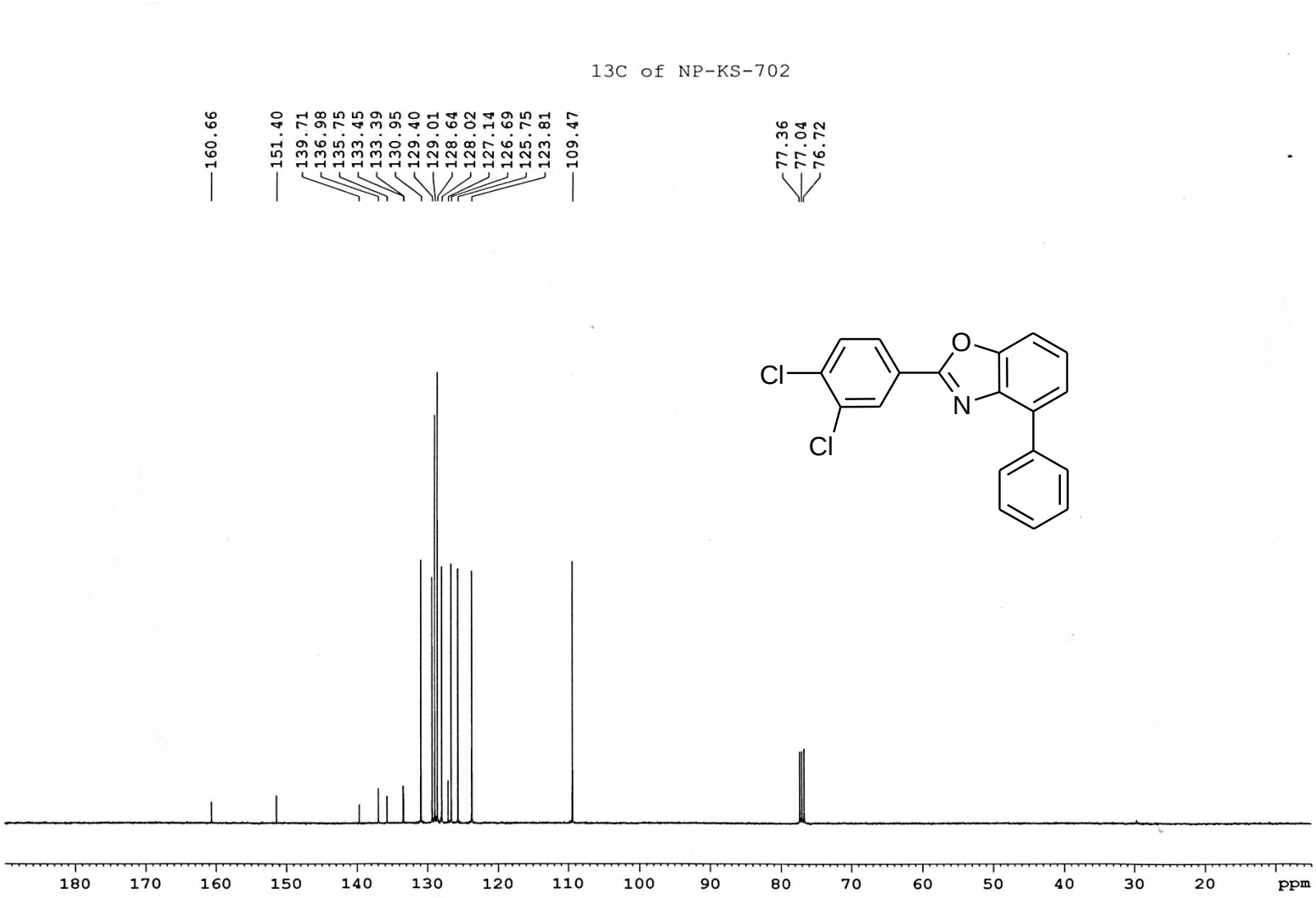

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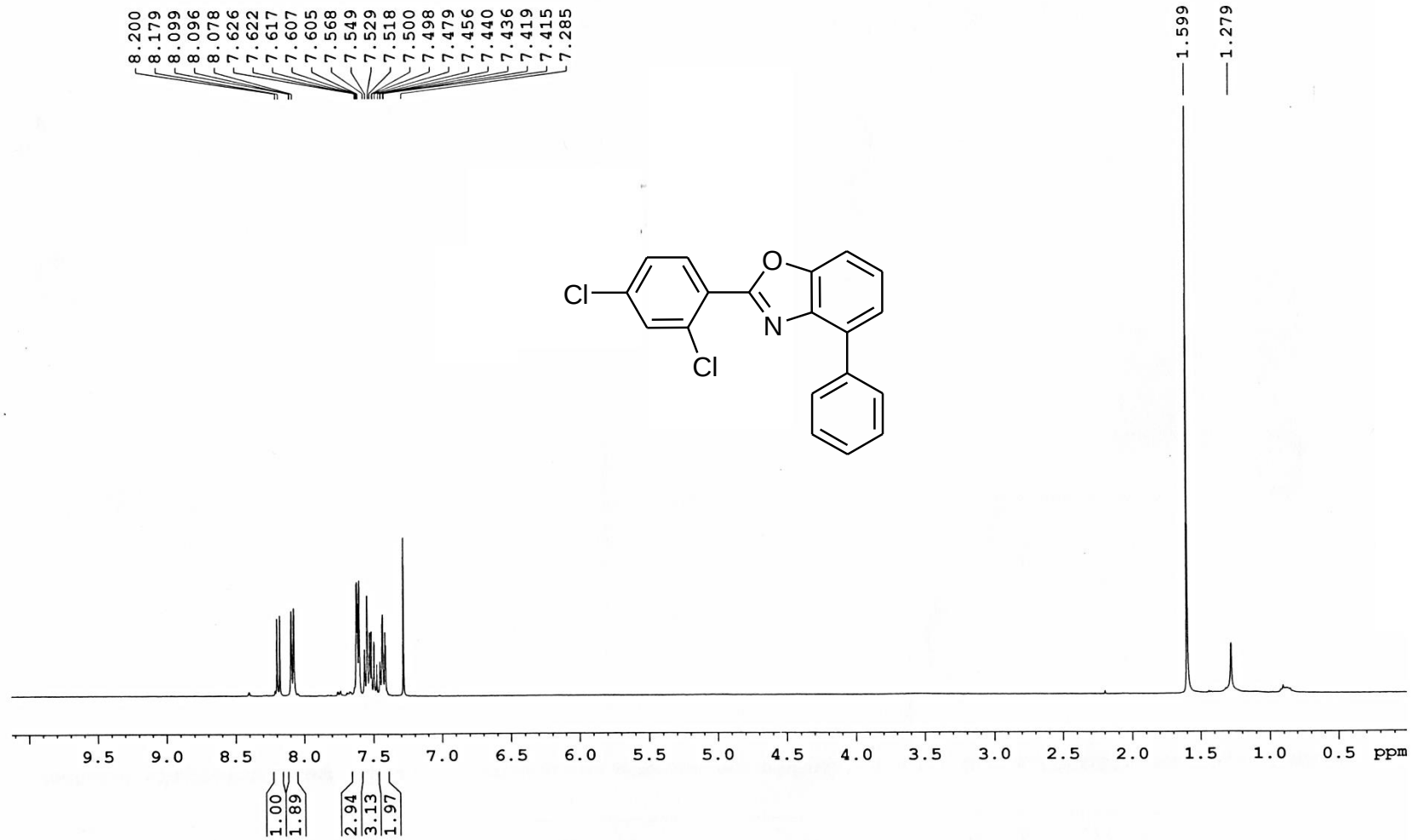

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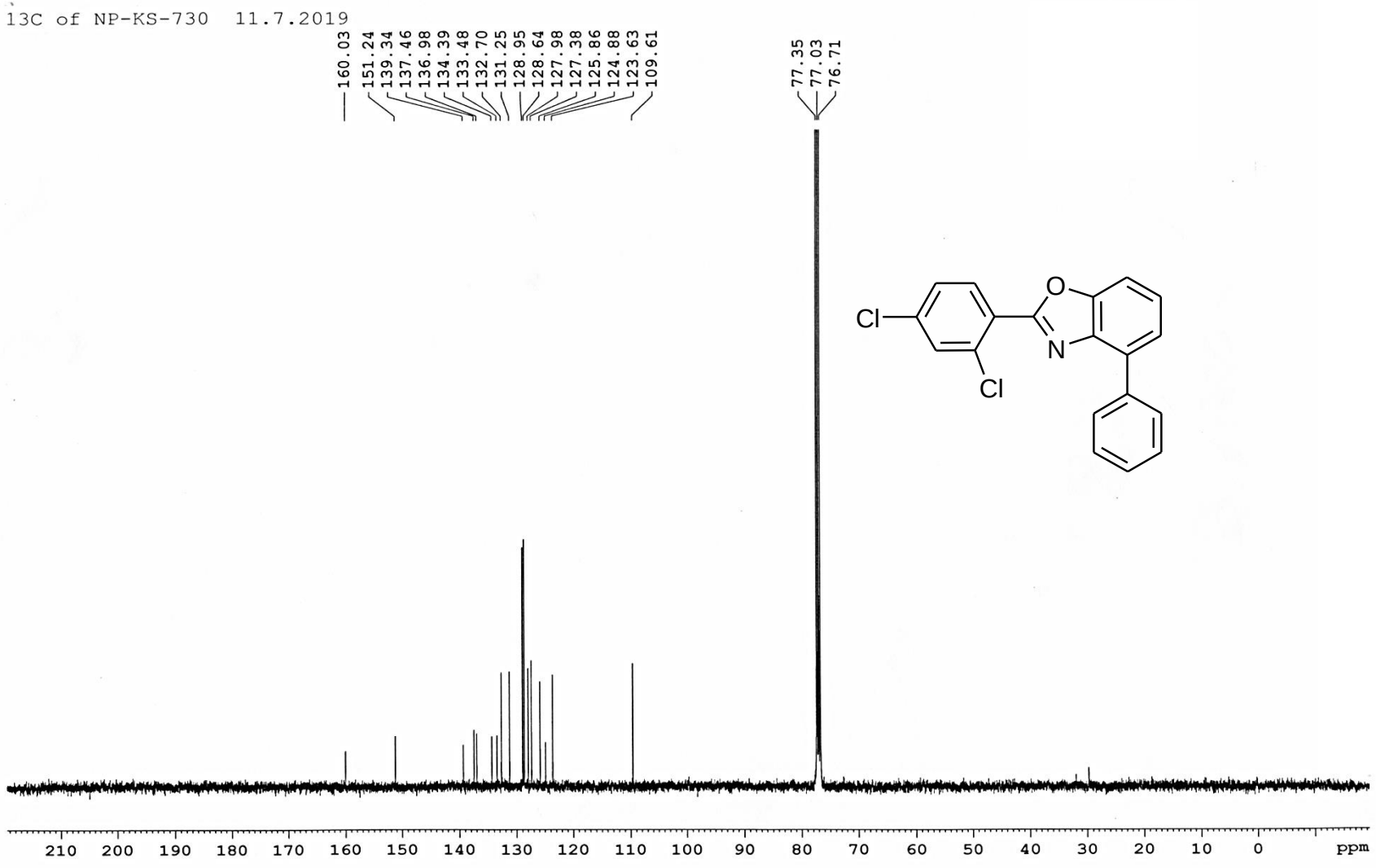

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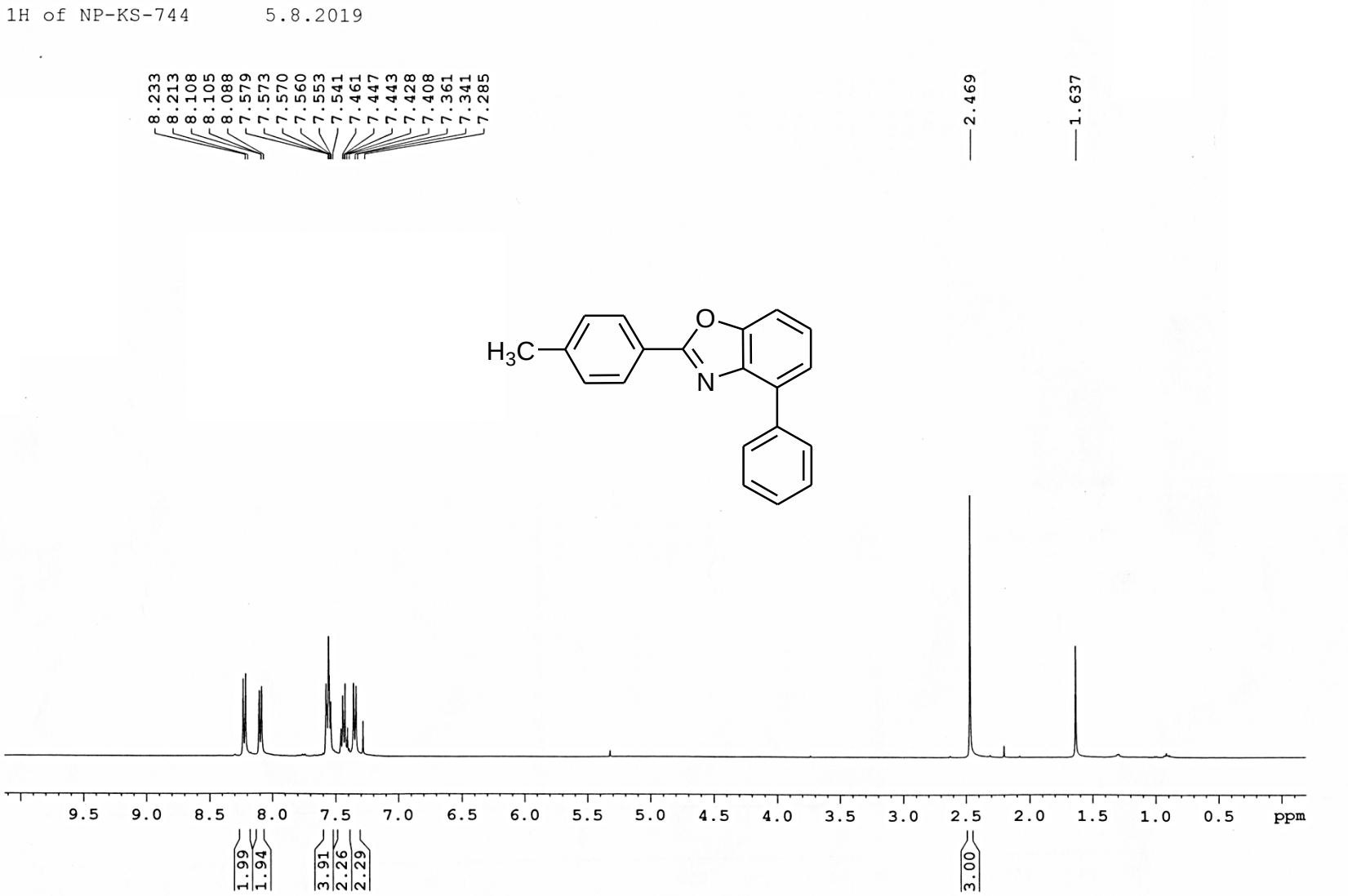

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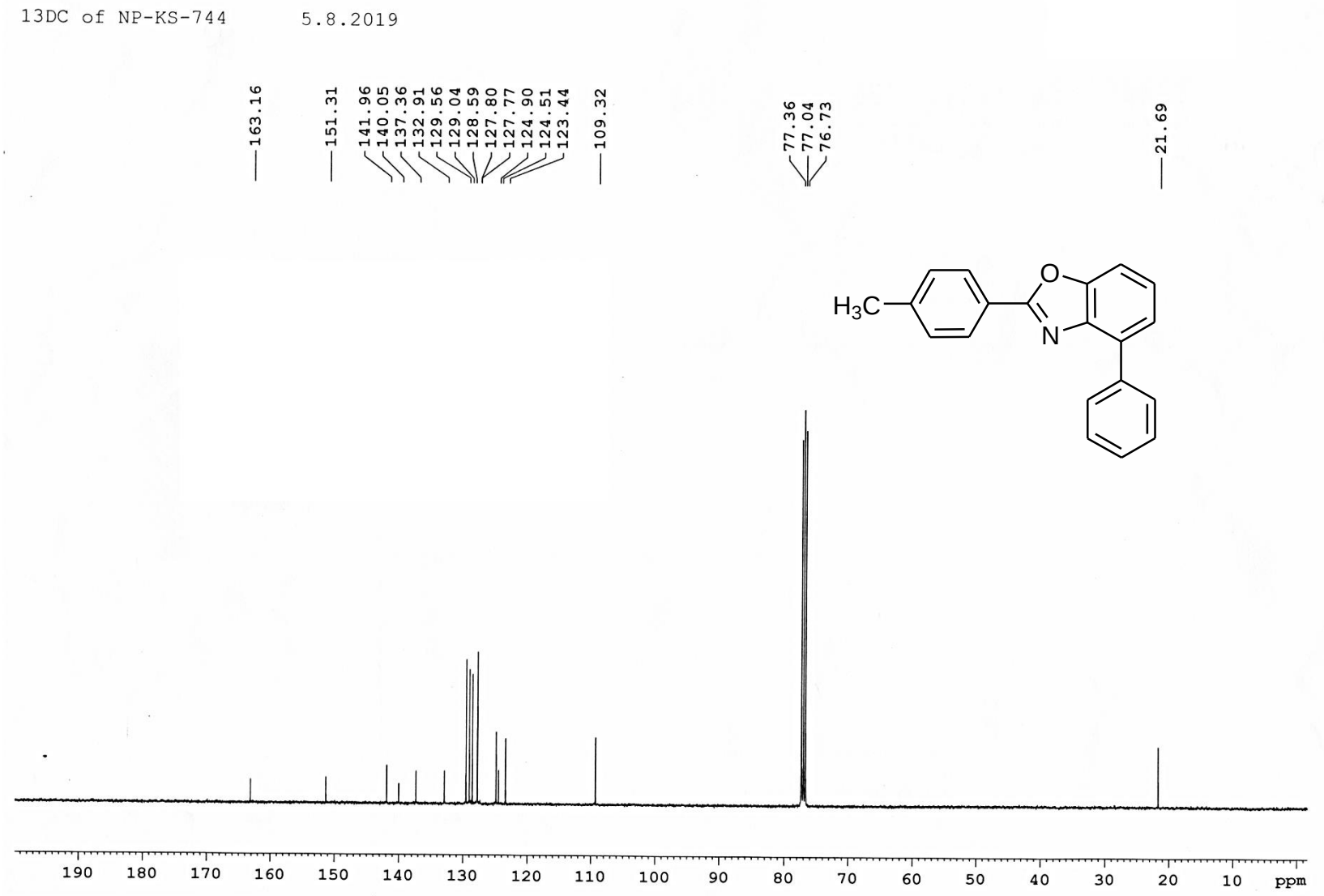

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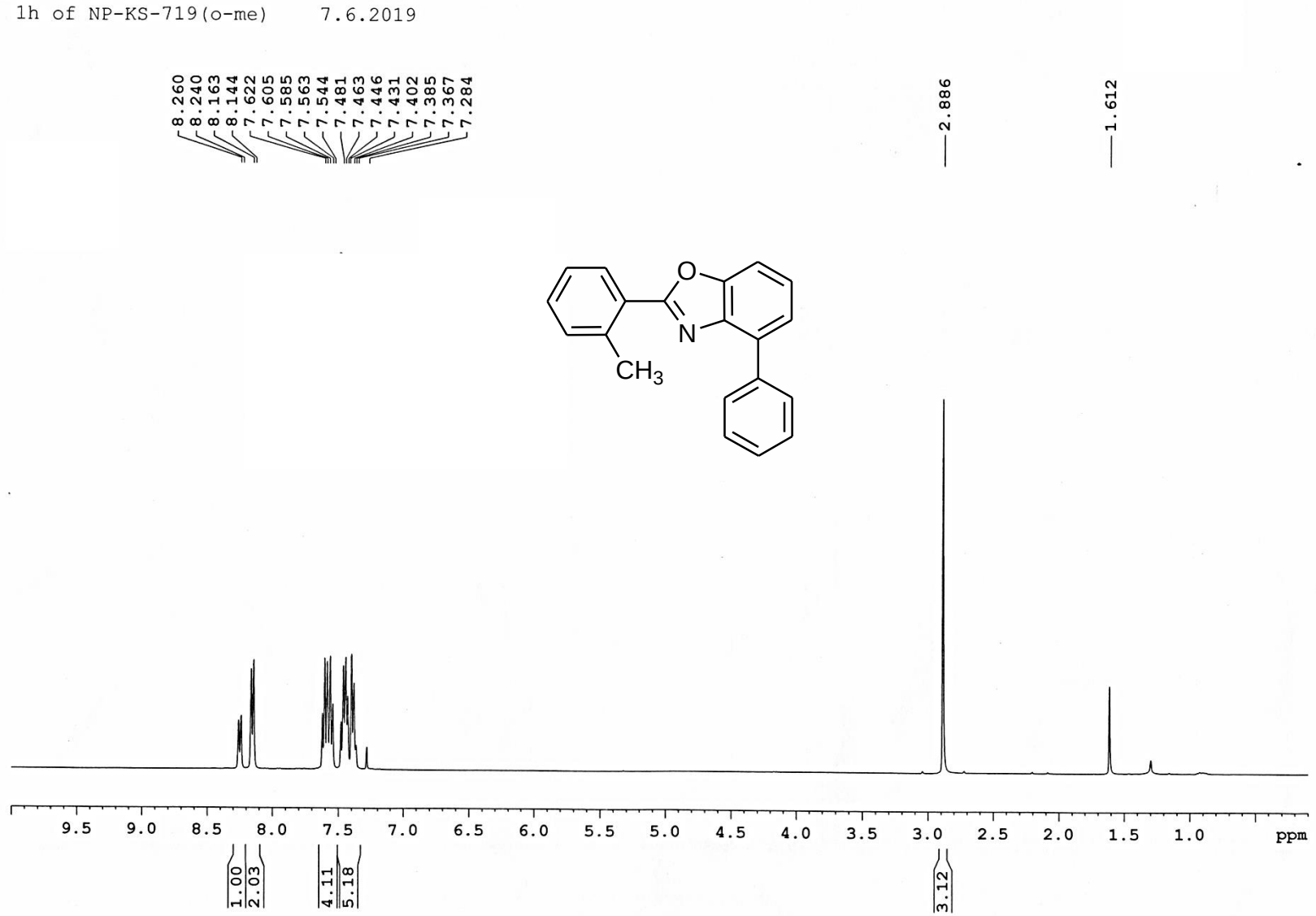

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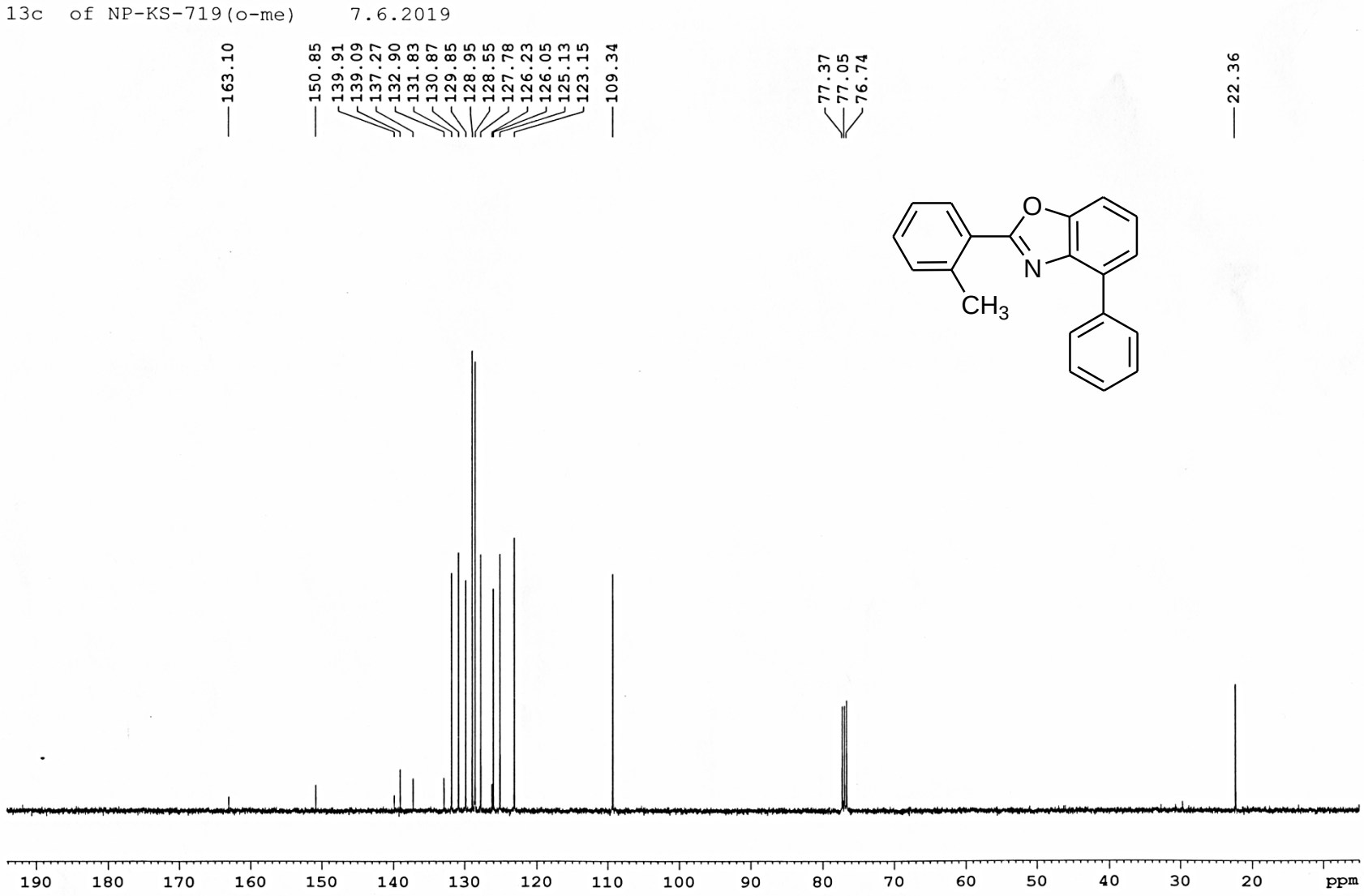

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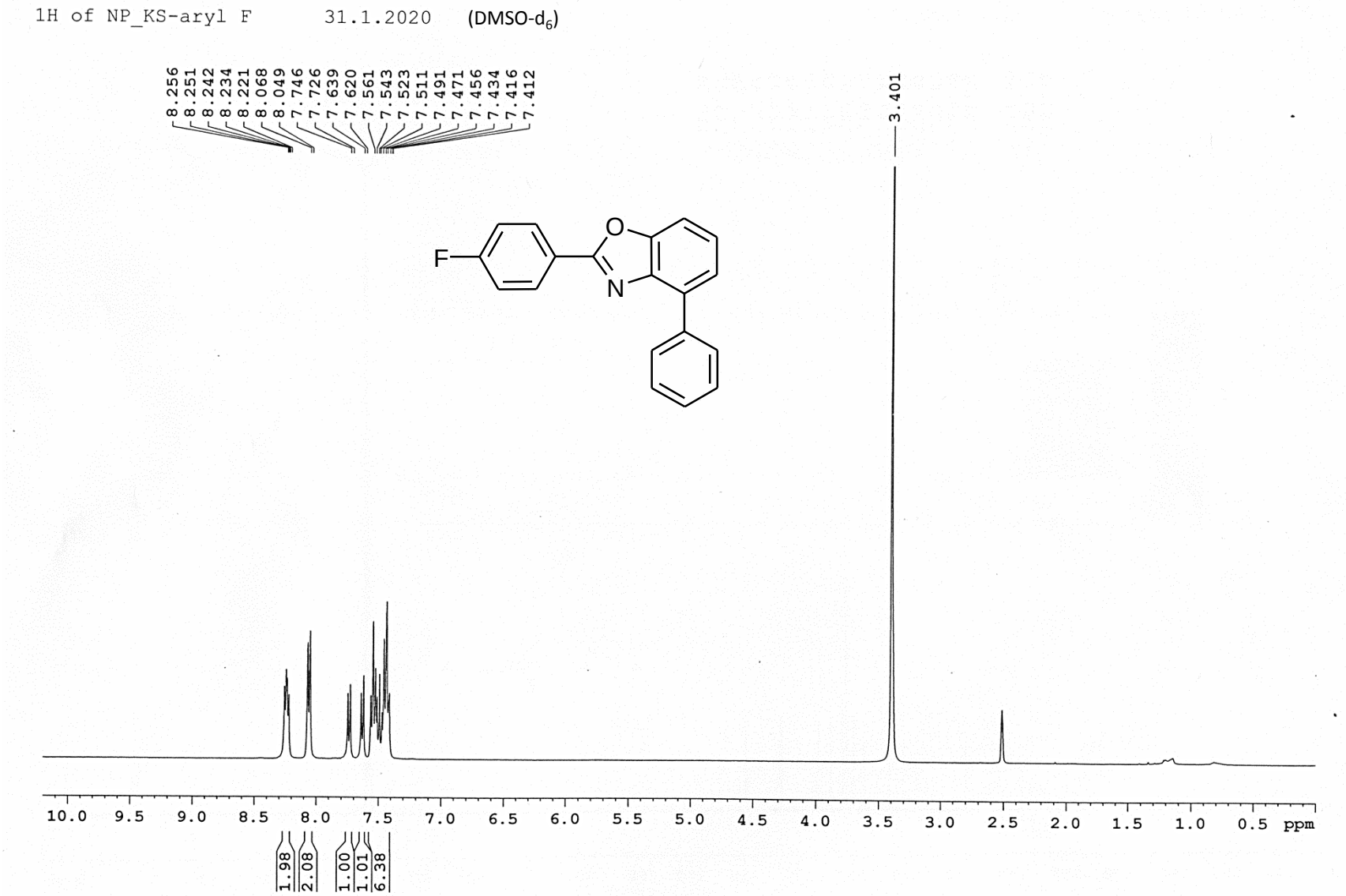

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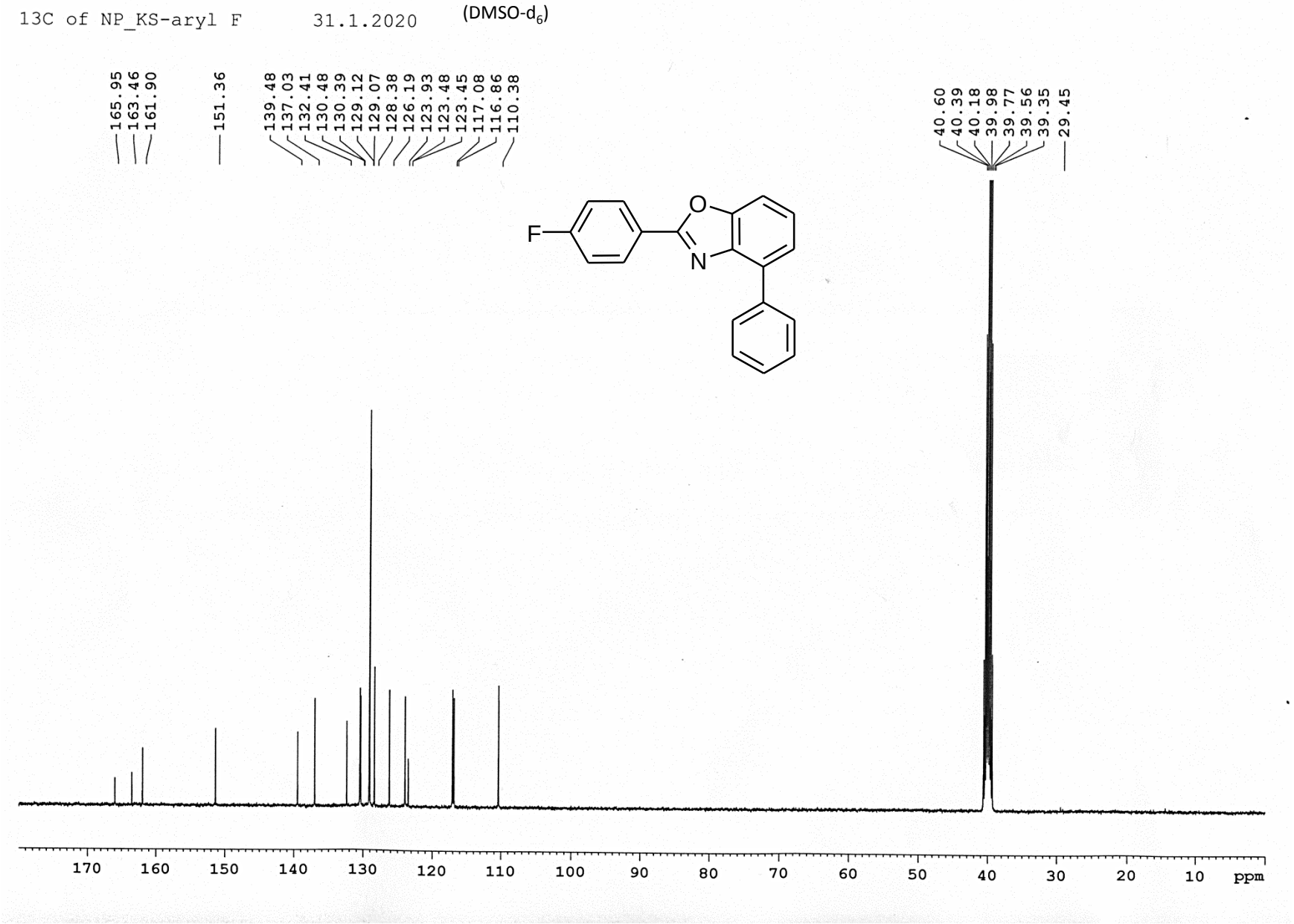

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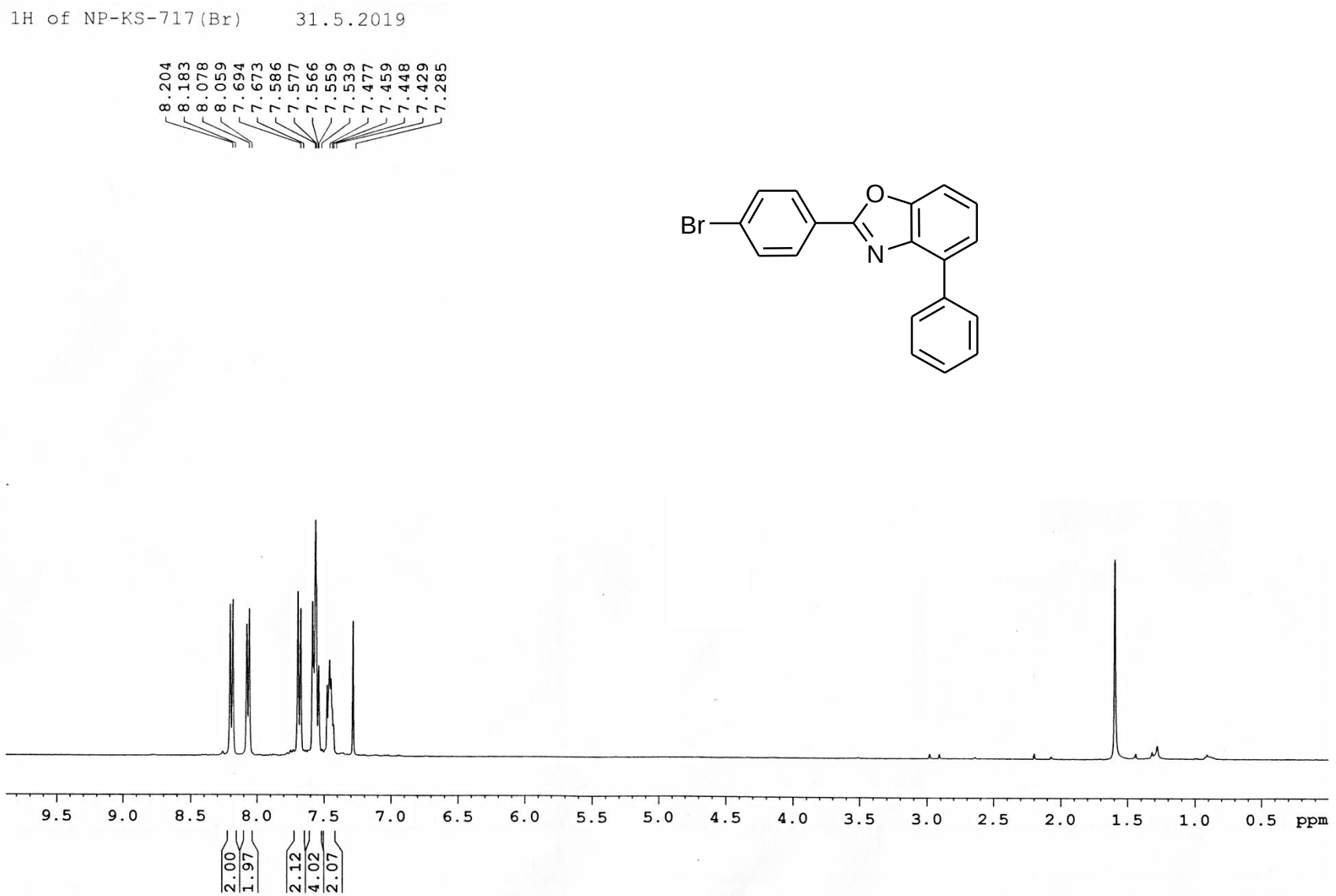

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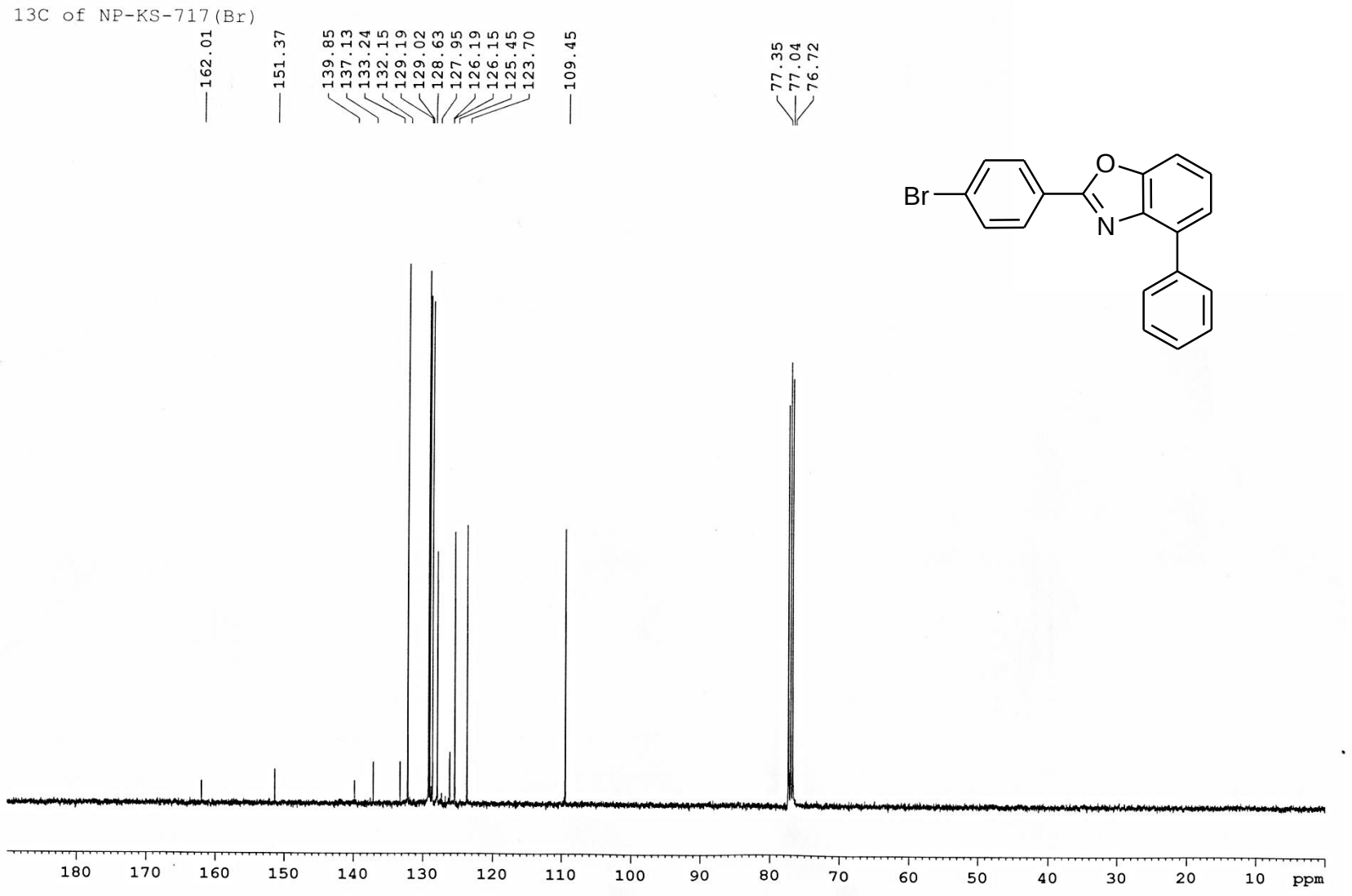

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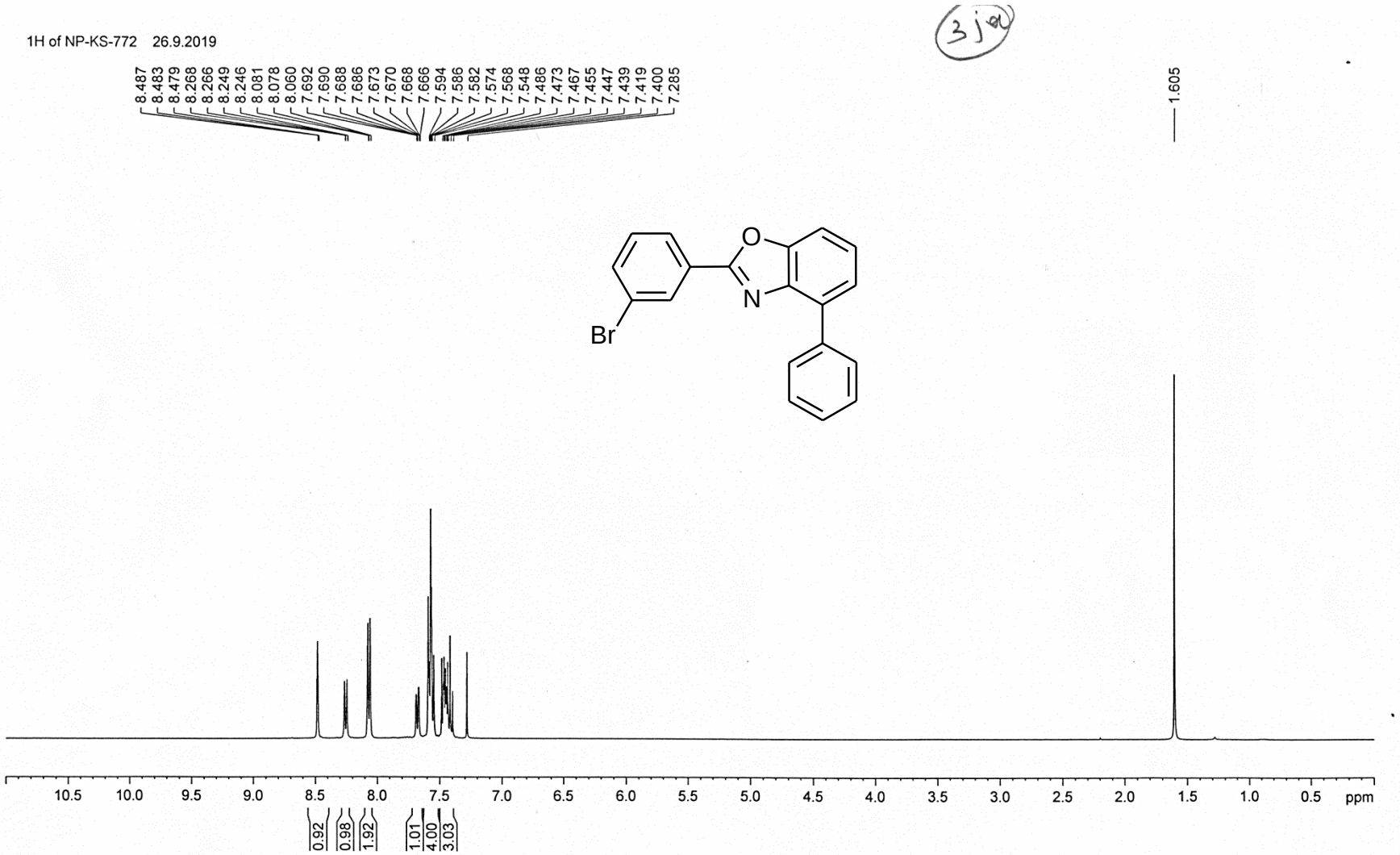

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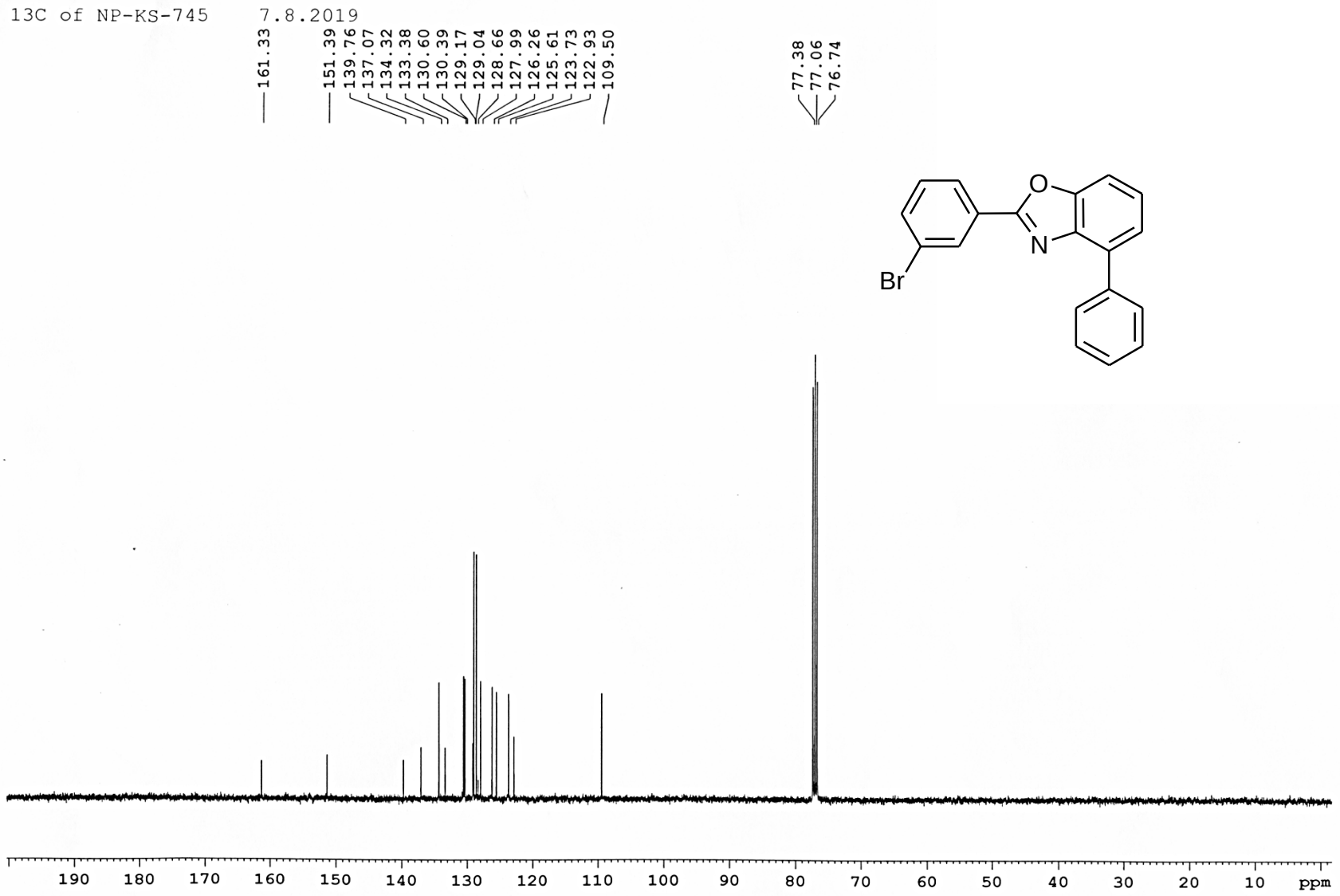

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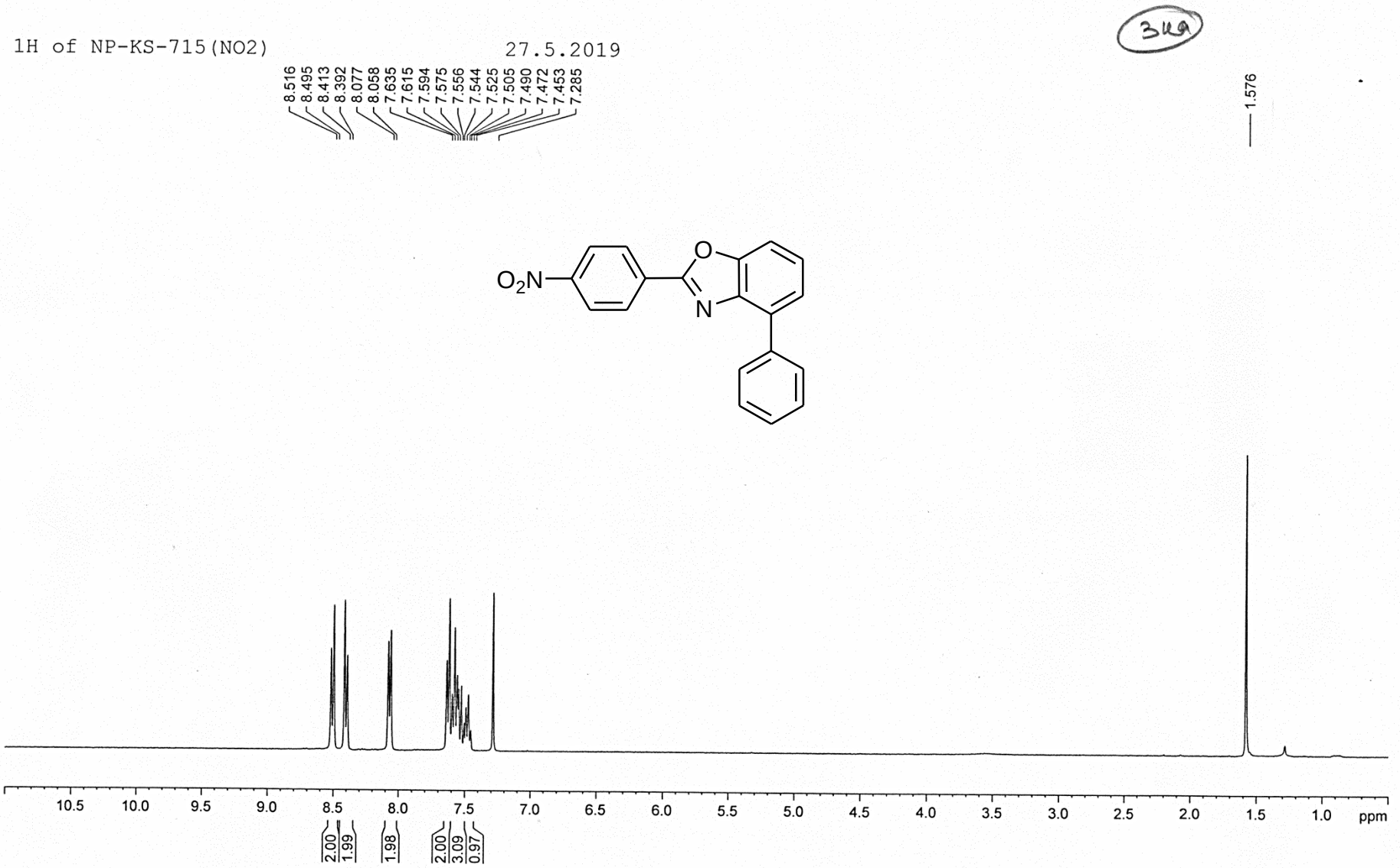

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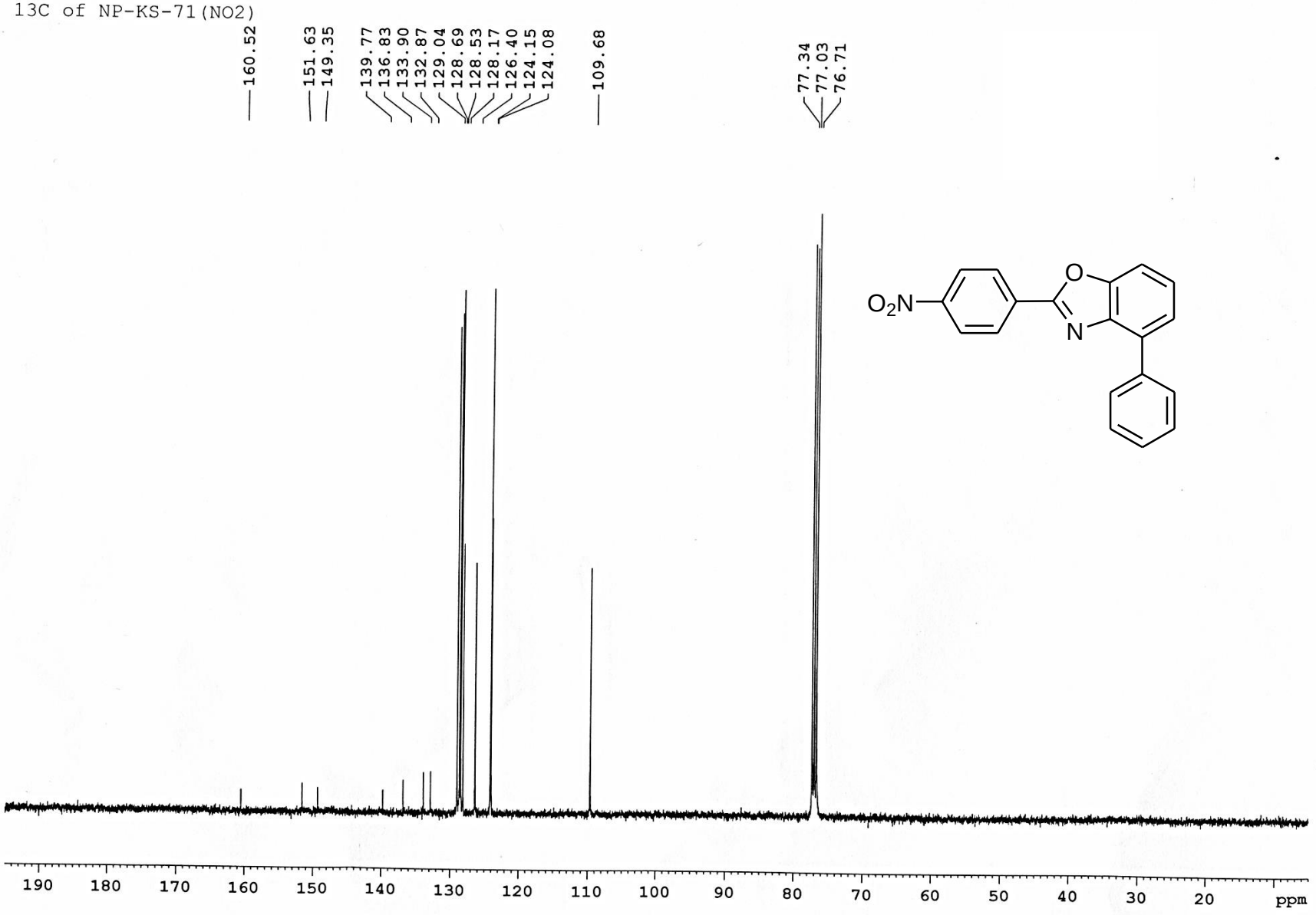

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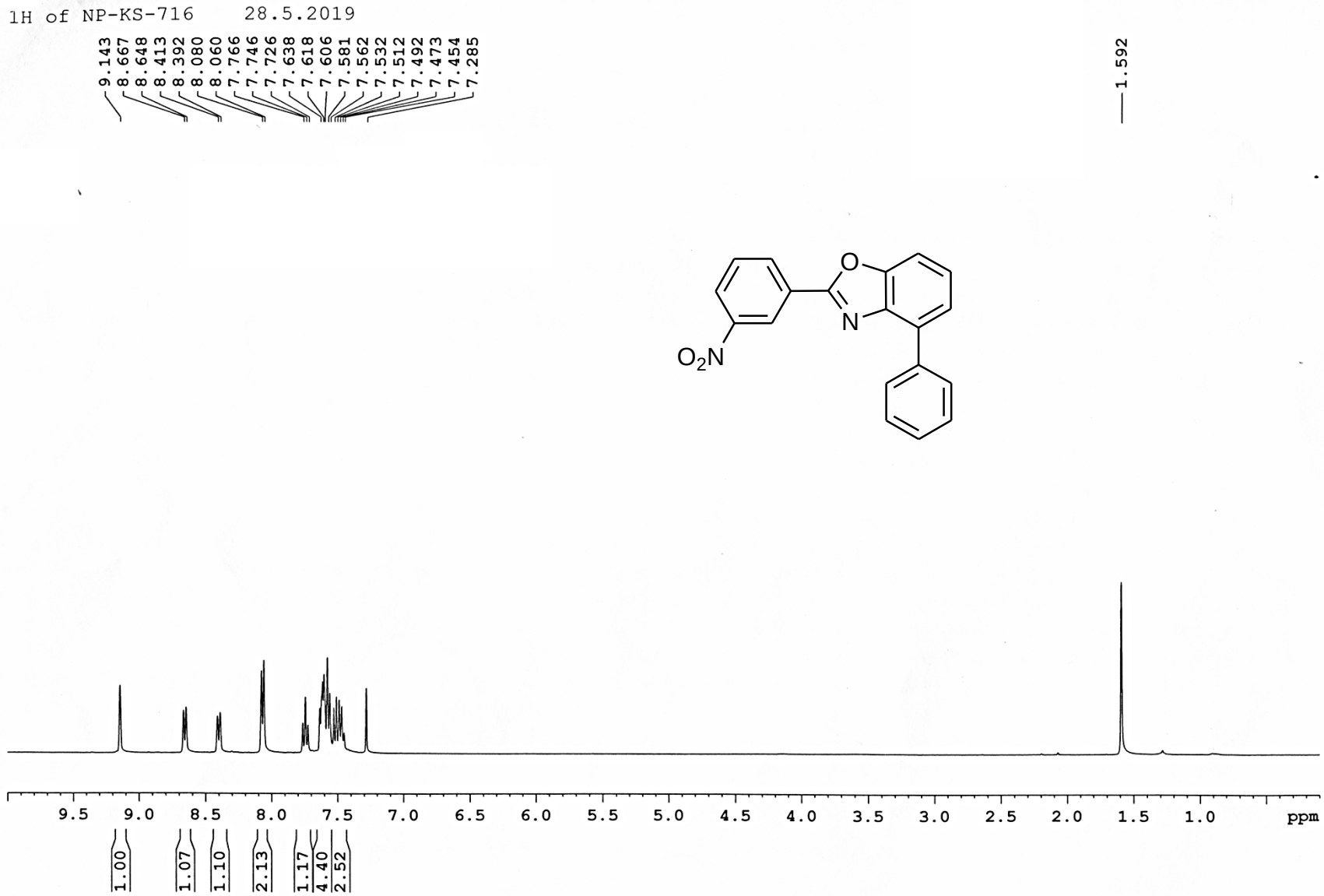

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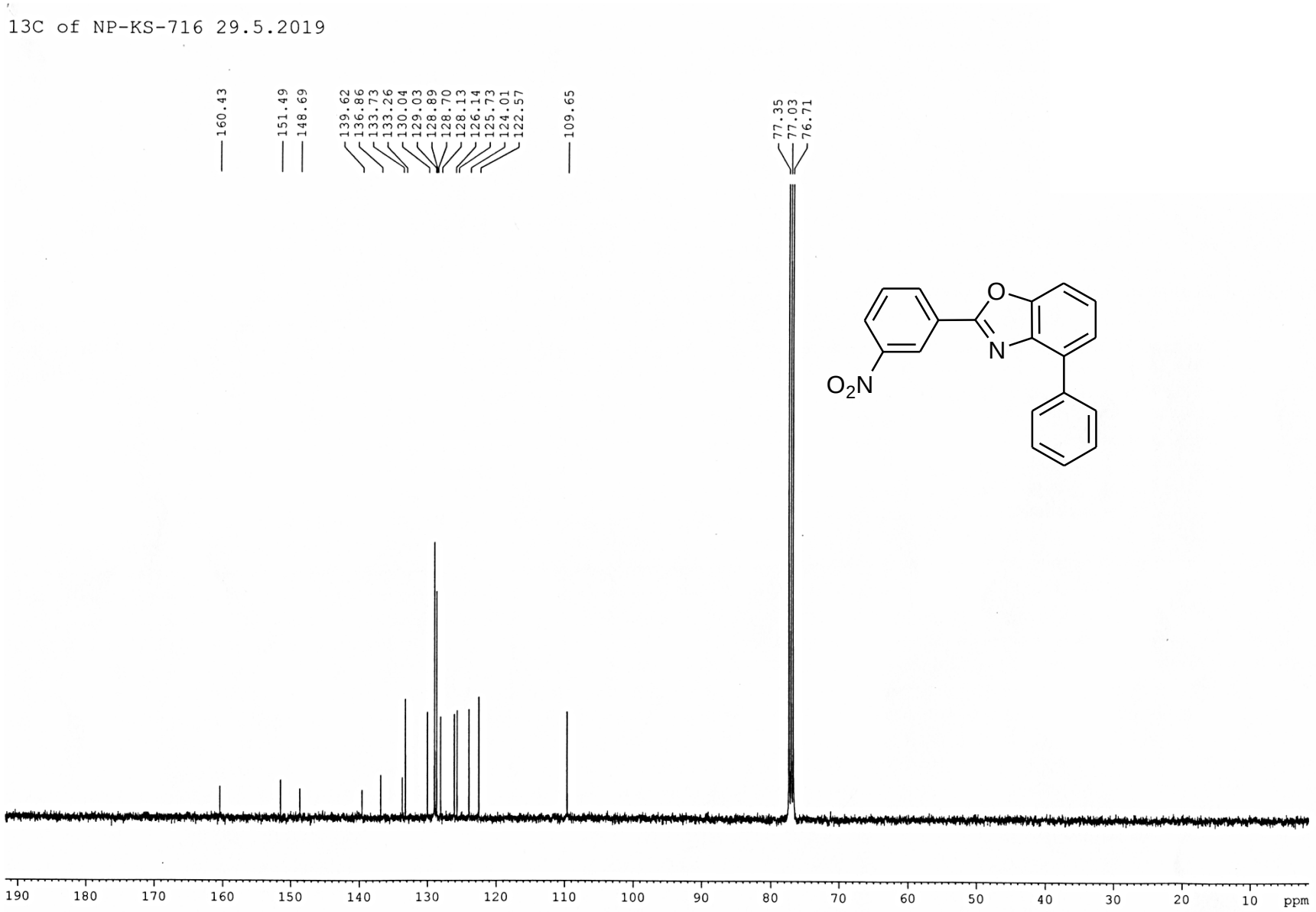

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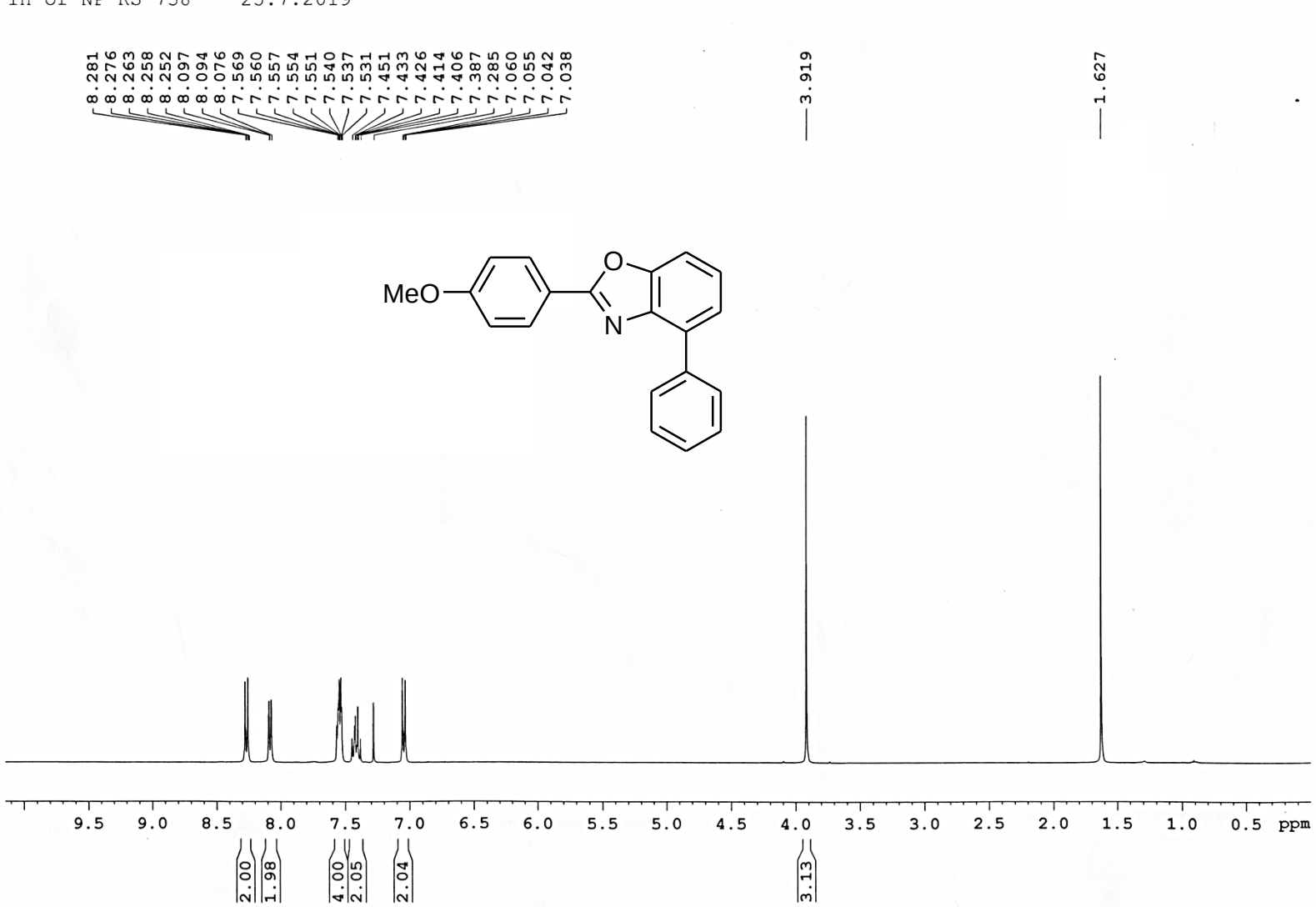
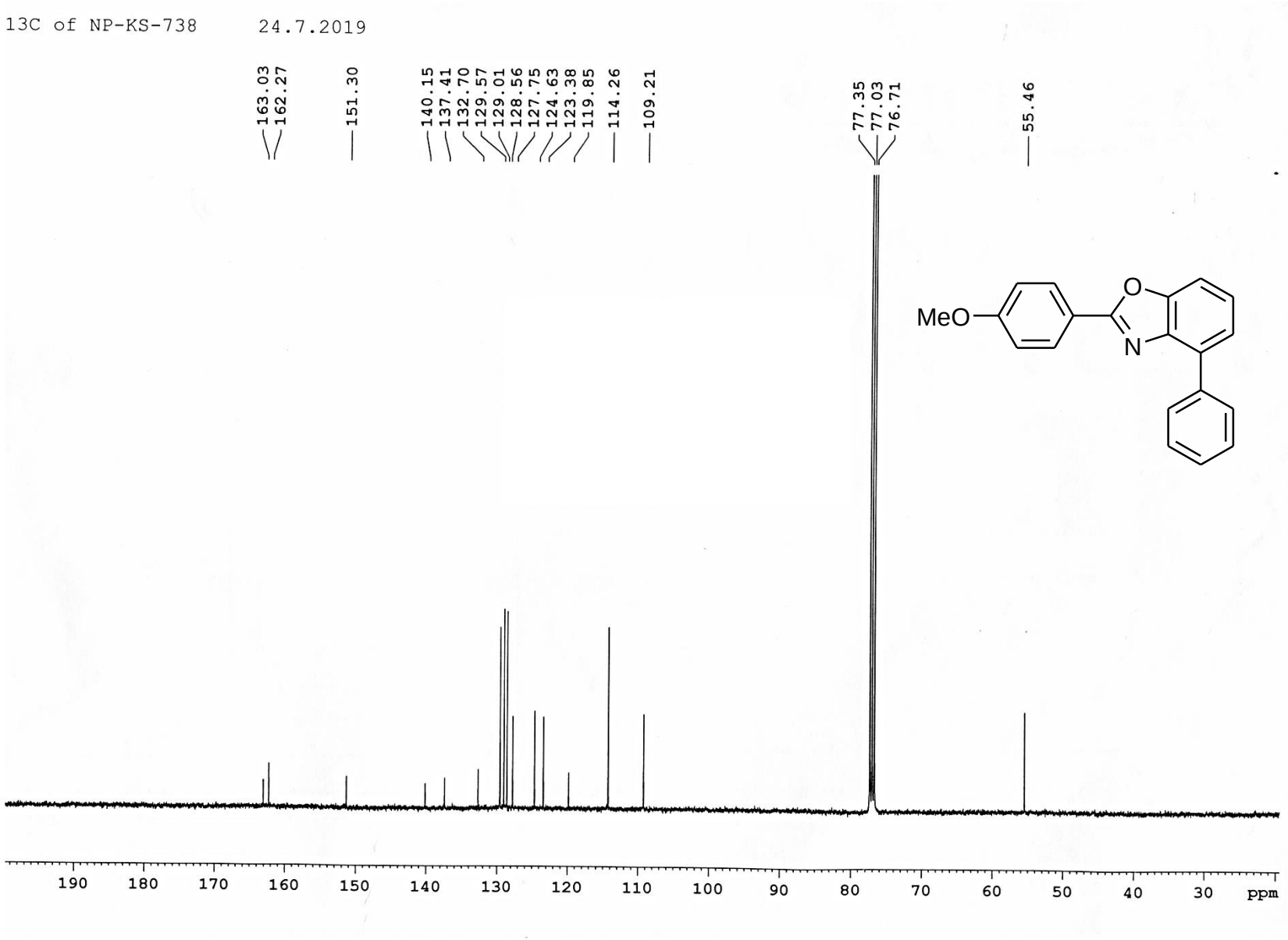


^{13}C NMR of 2-(4-methoxyphenyl)-4-phenylbenzo[d]oxazole (3ma)



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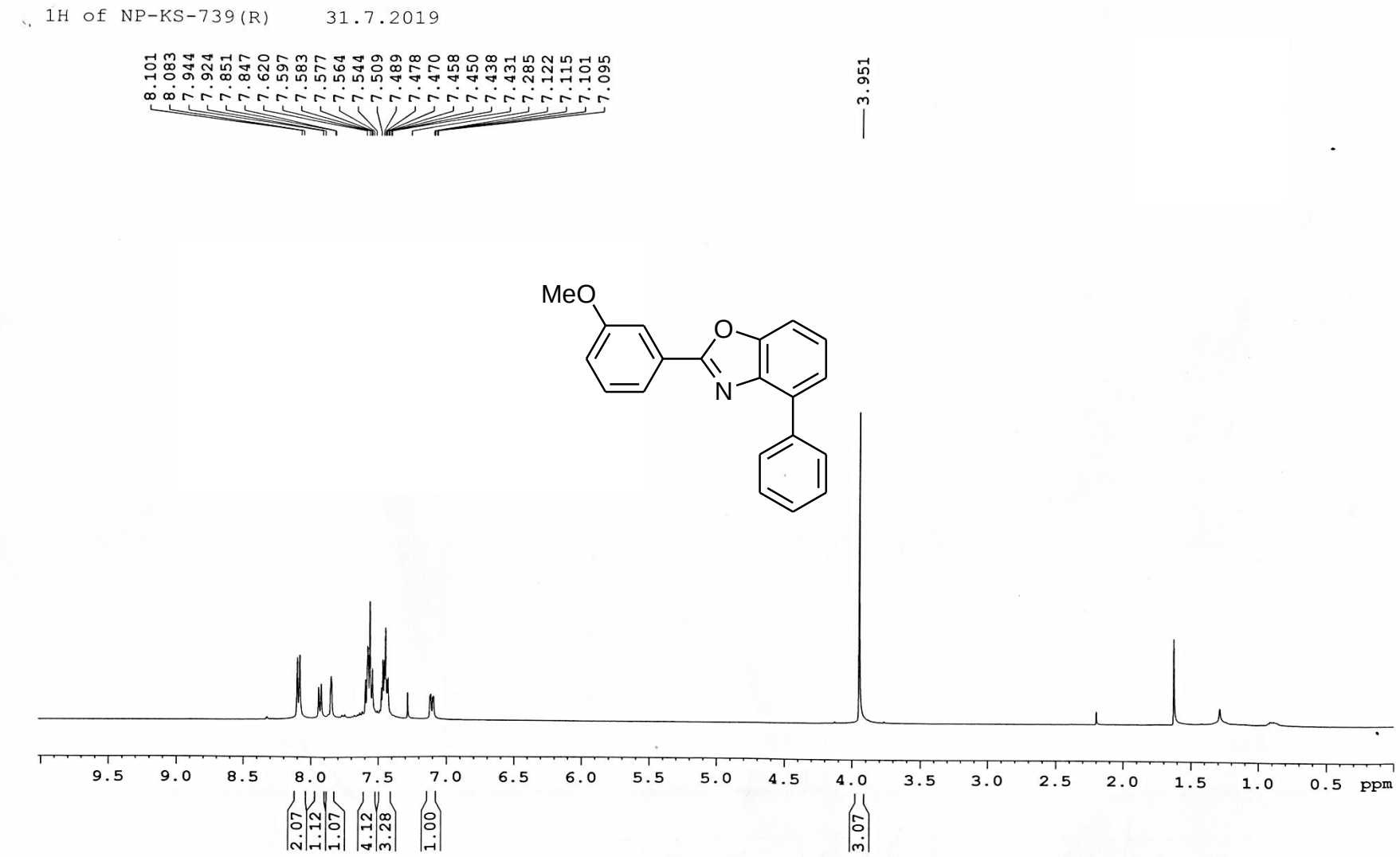

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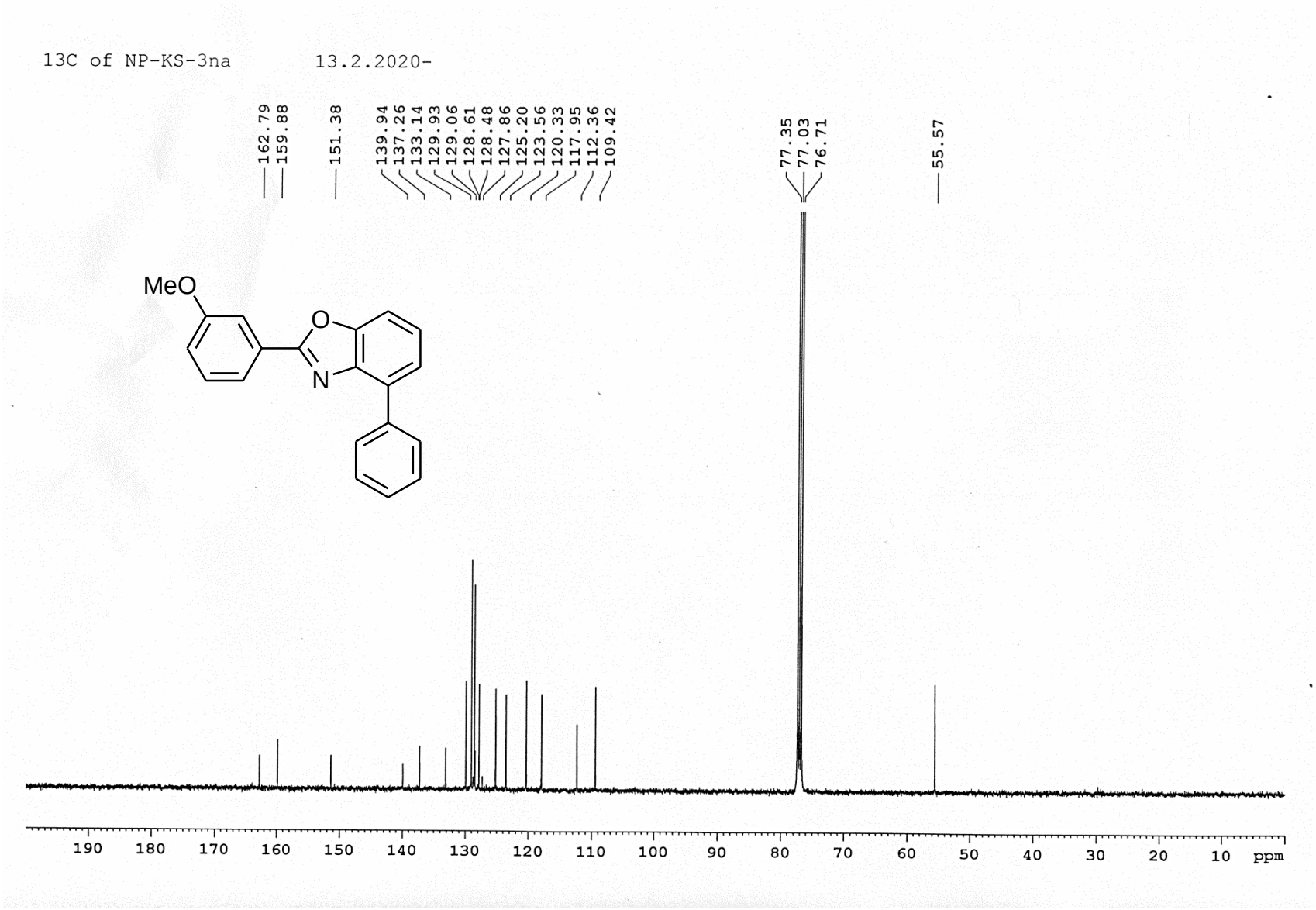

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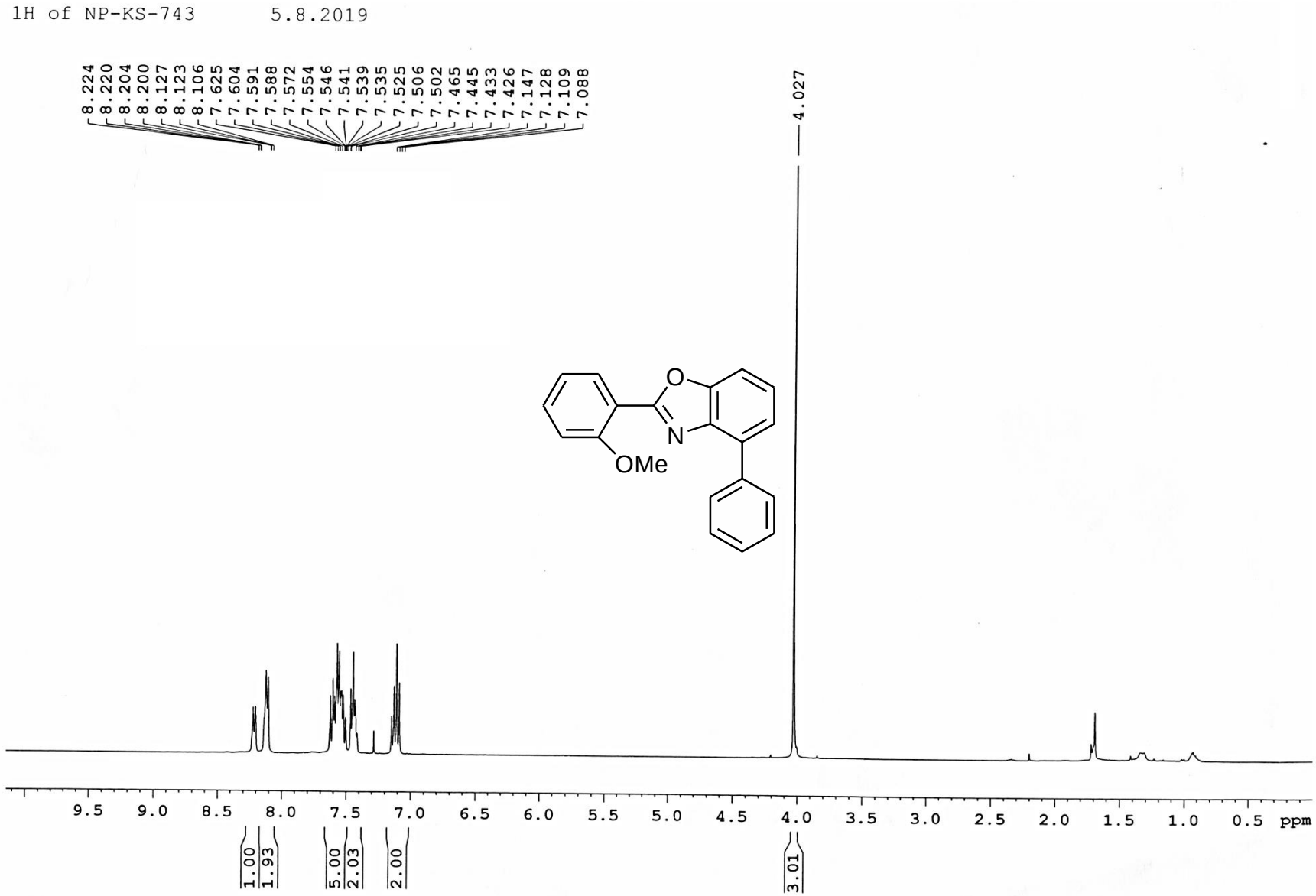

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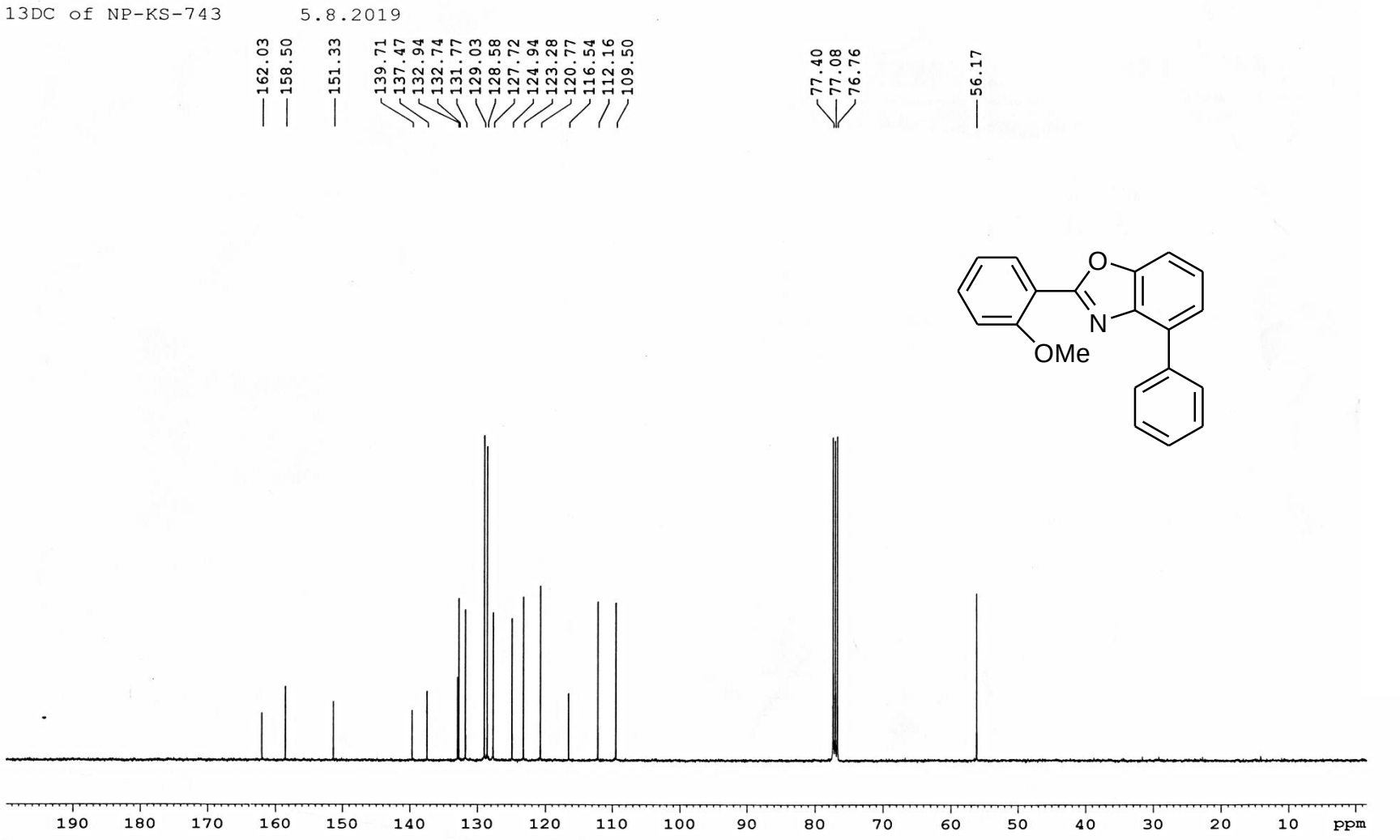

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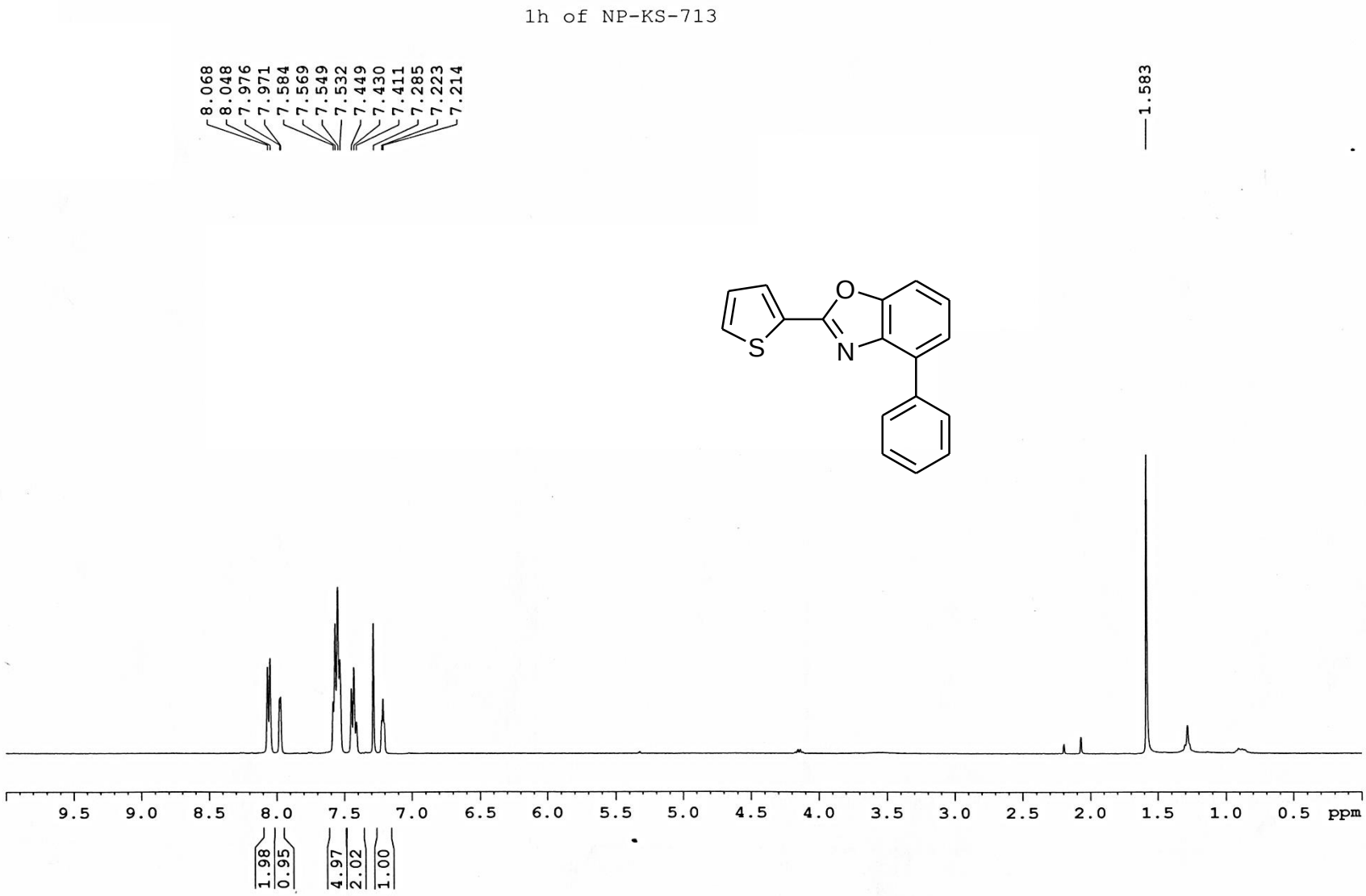
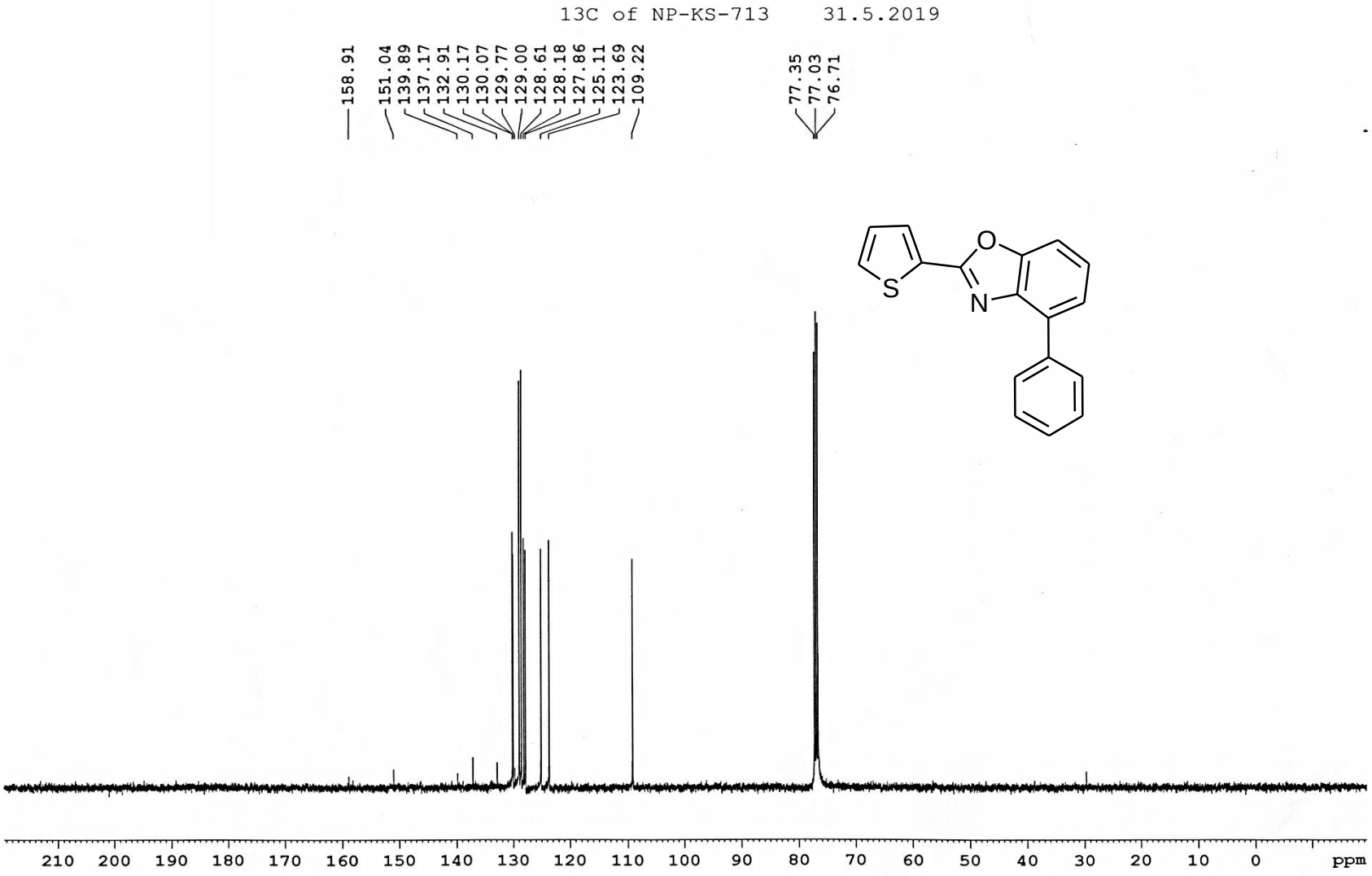


^{13}C NMR o 4-phenyl 2-(thiophen-2-yl)-benz[d]oxazole (3pa)



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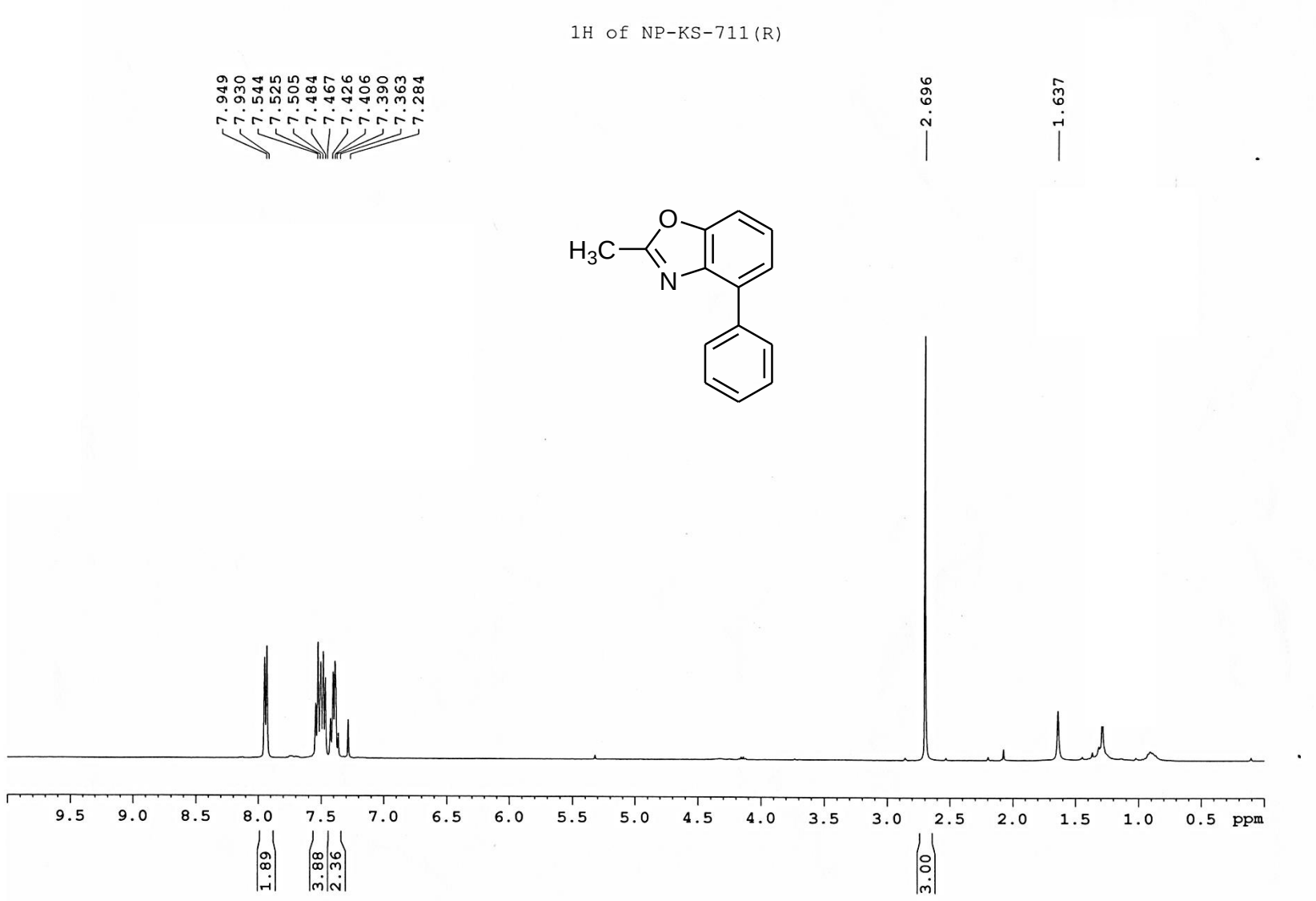

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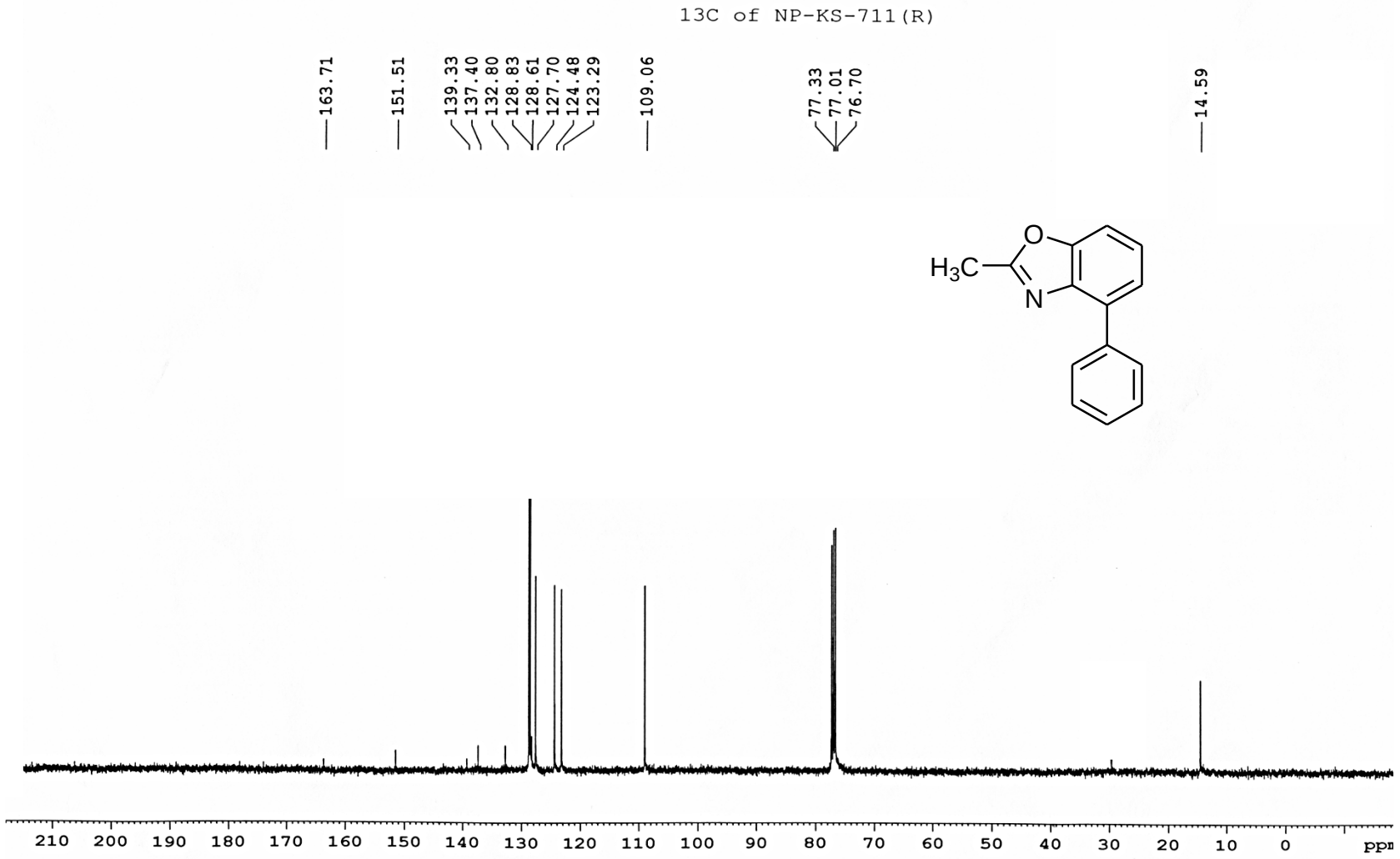

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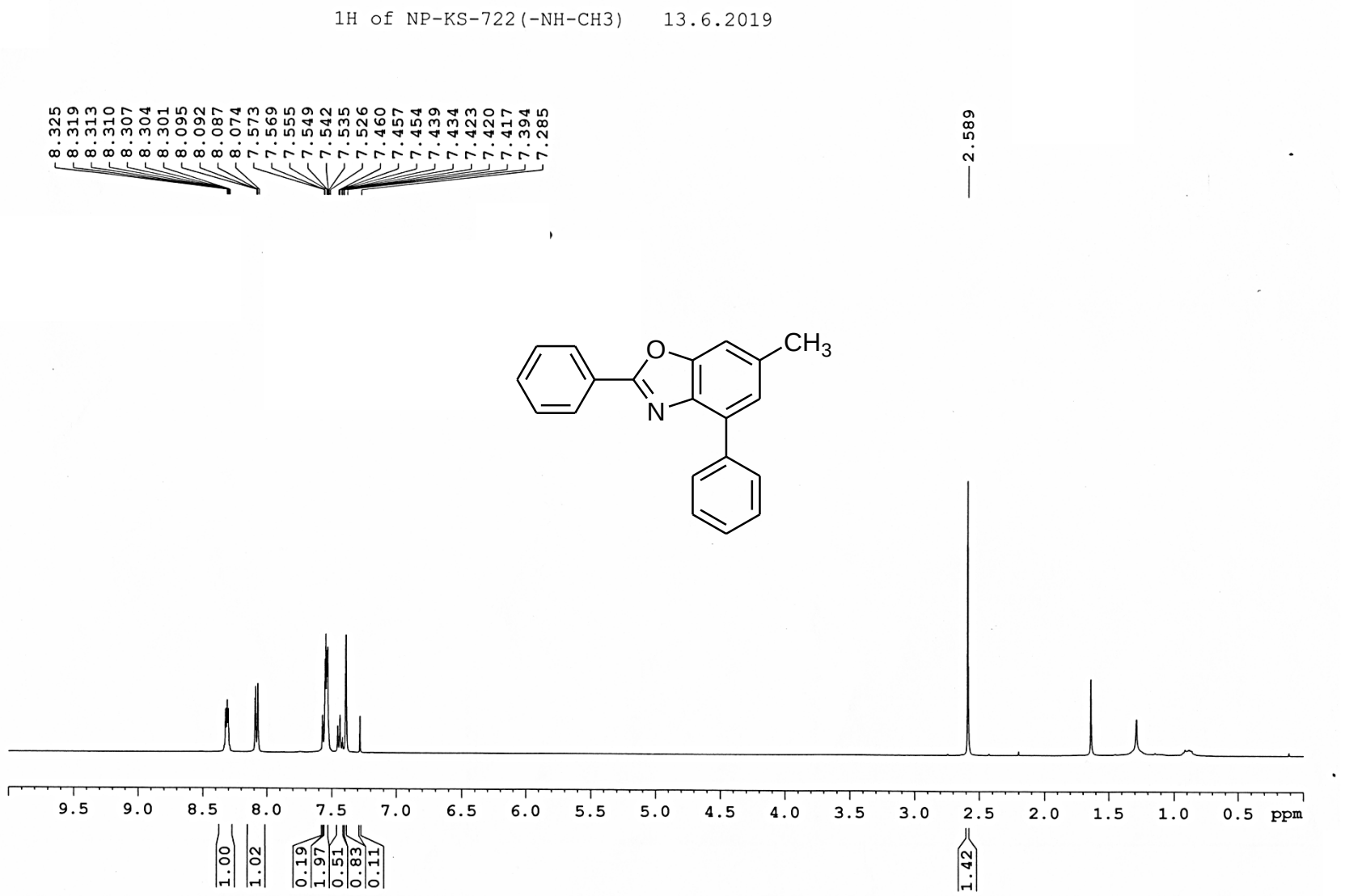

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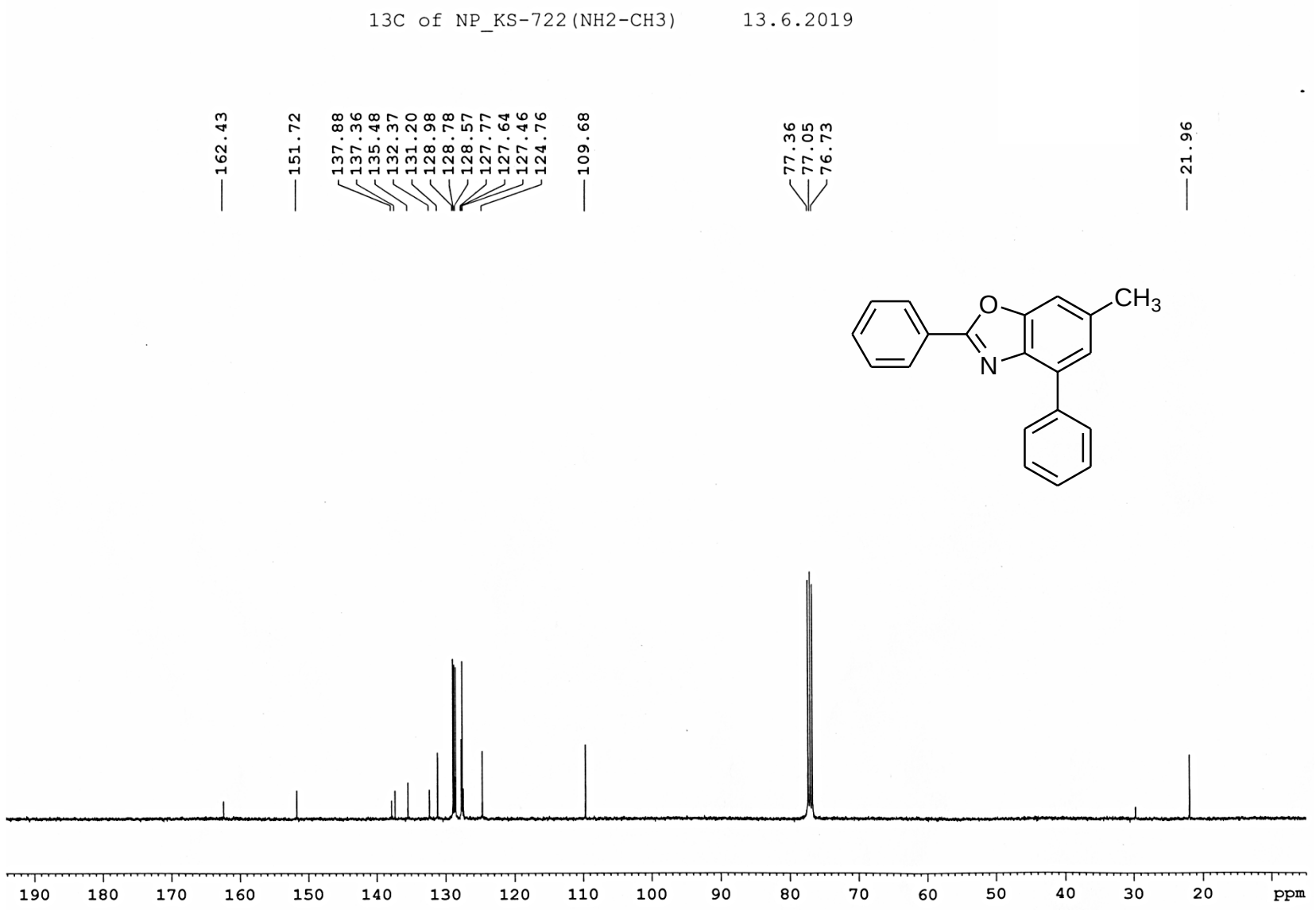

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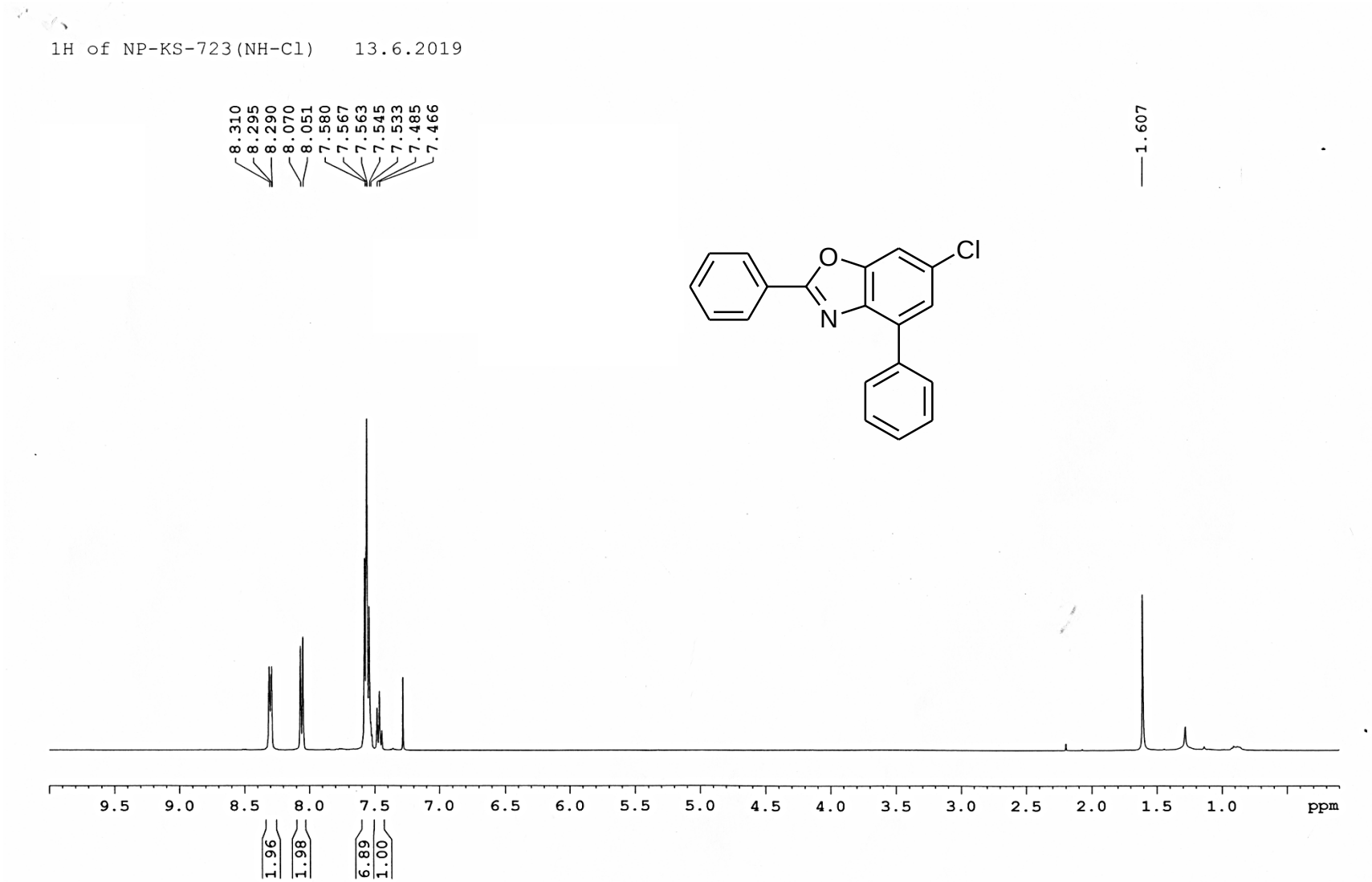

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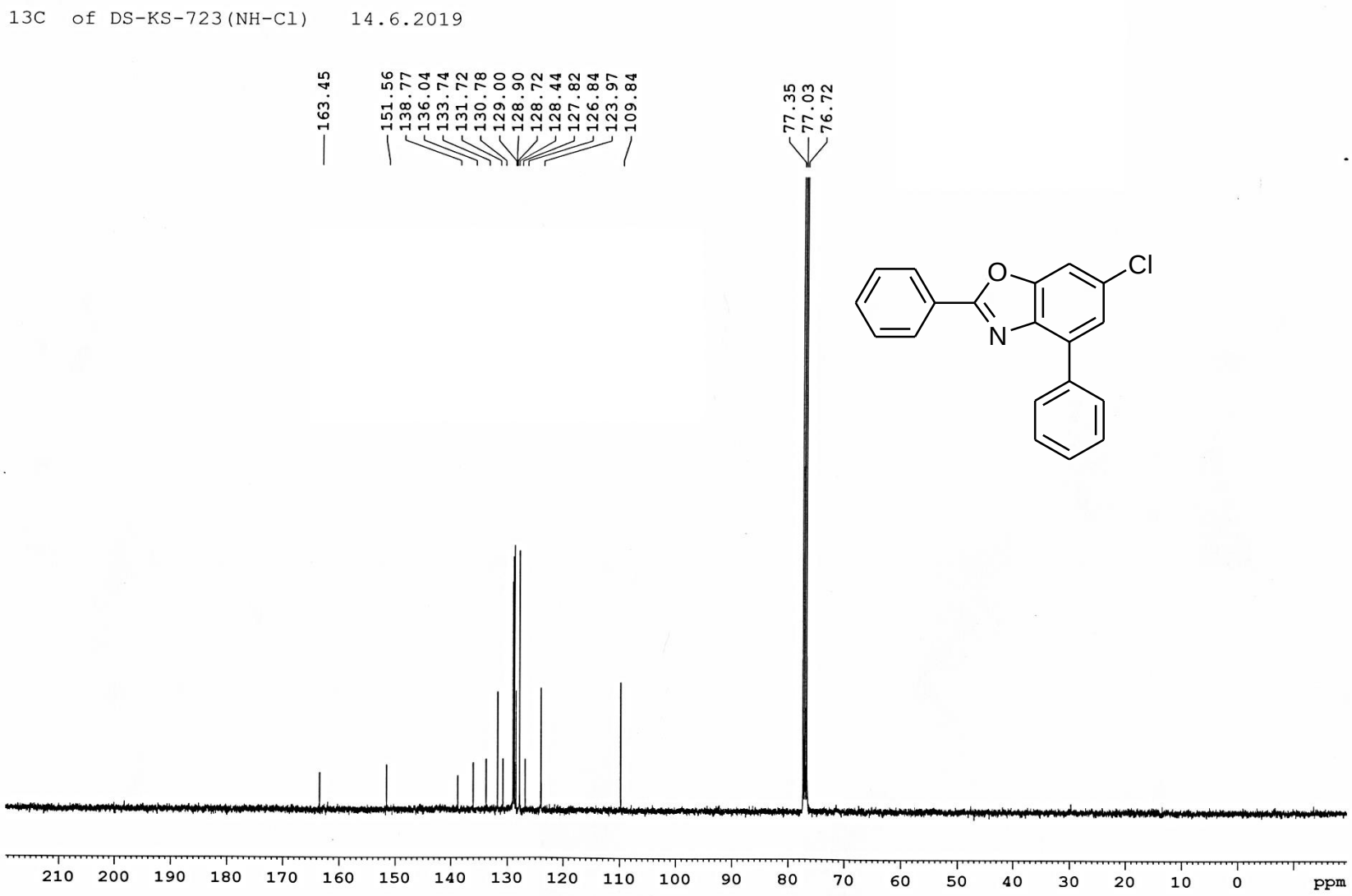

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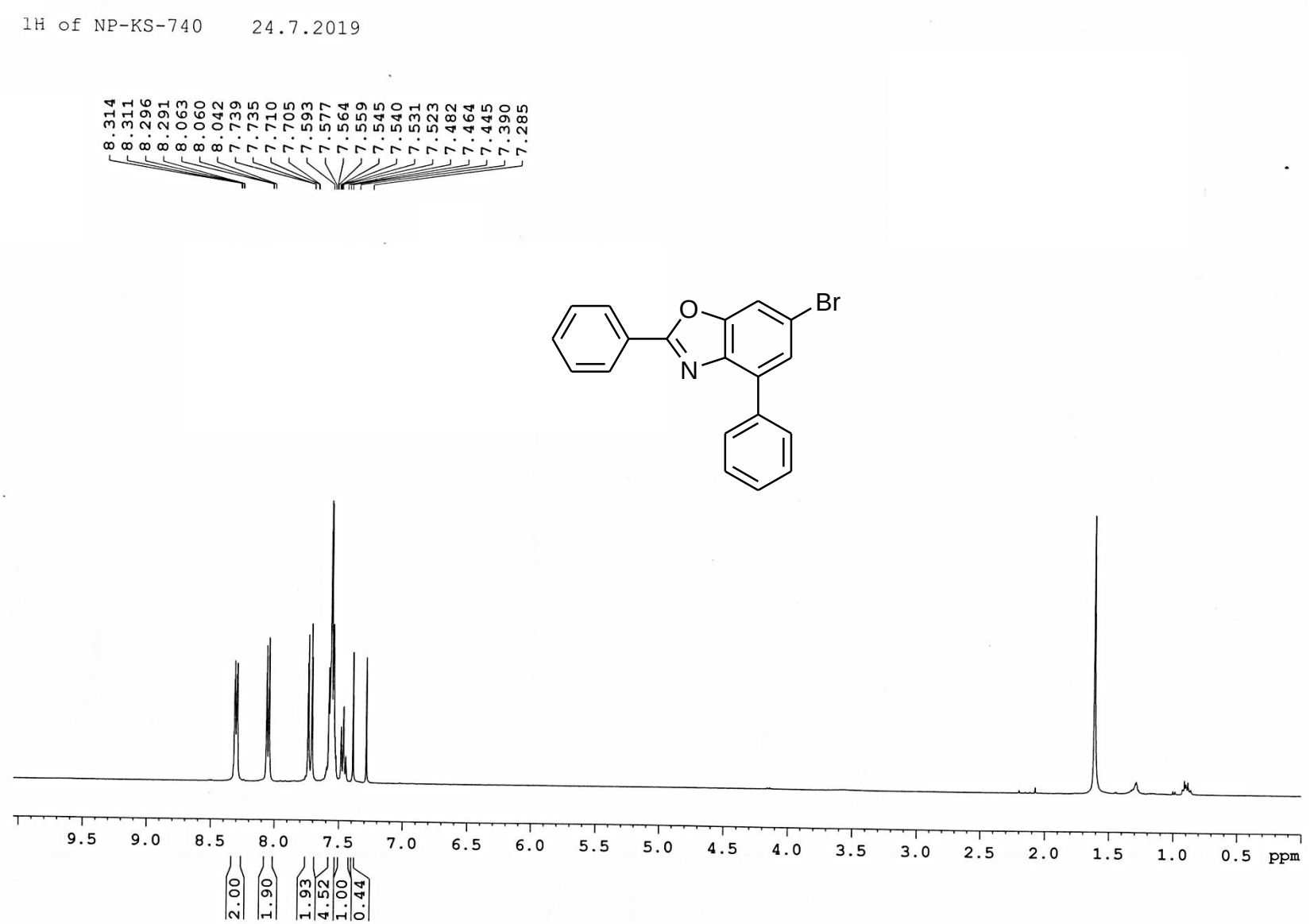

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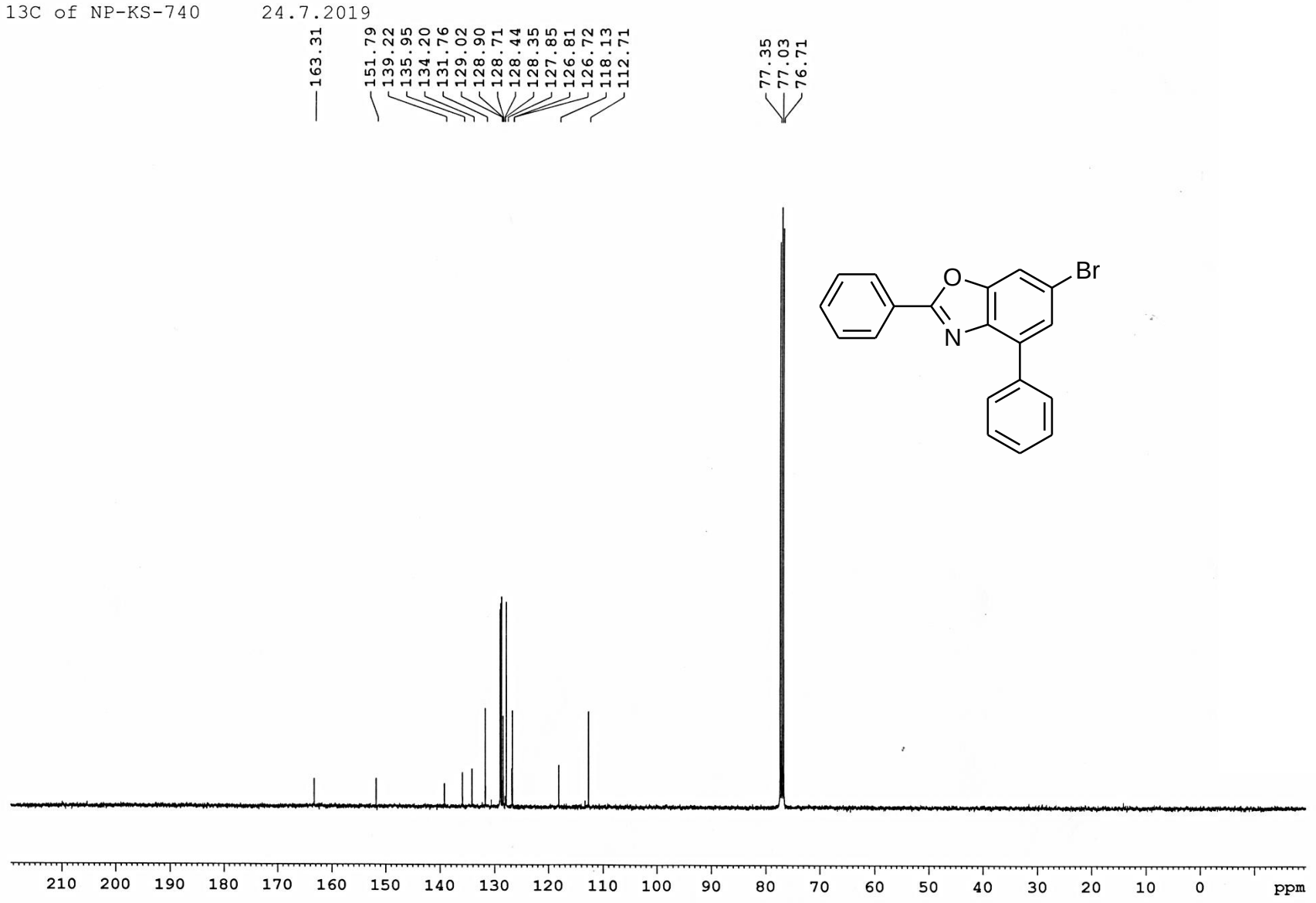

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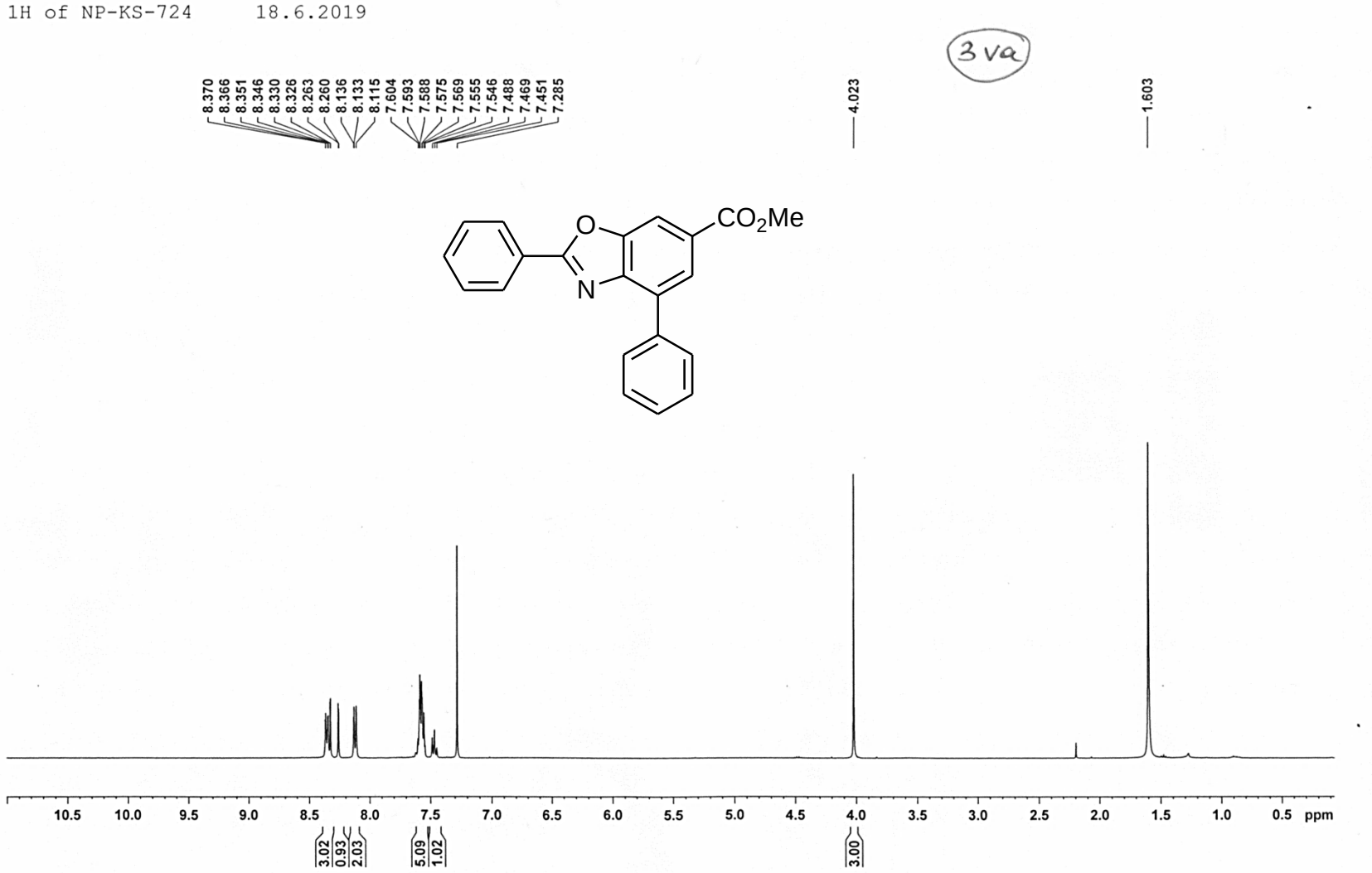

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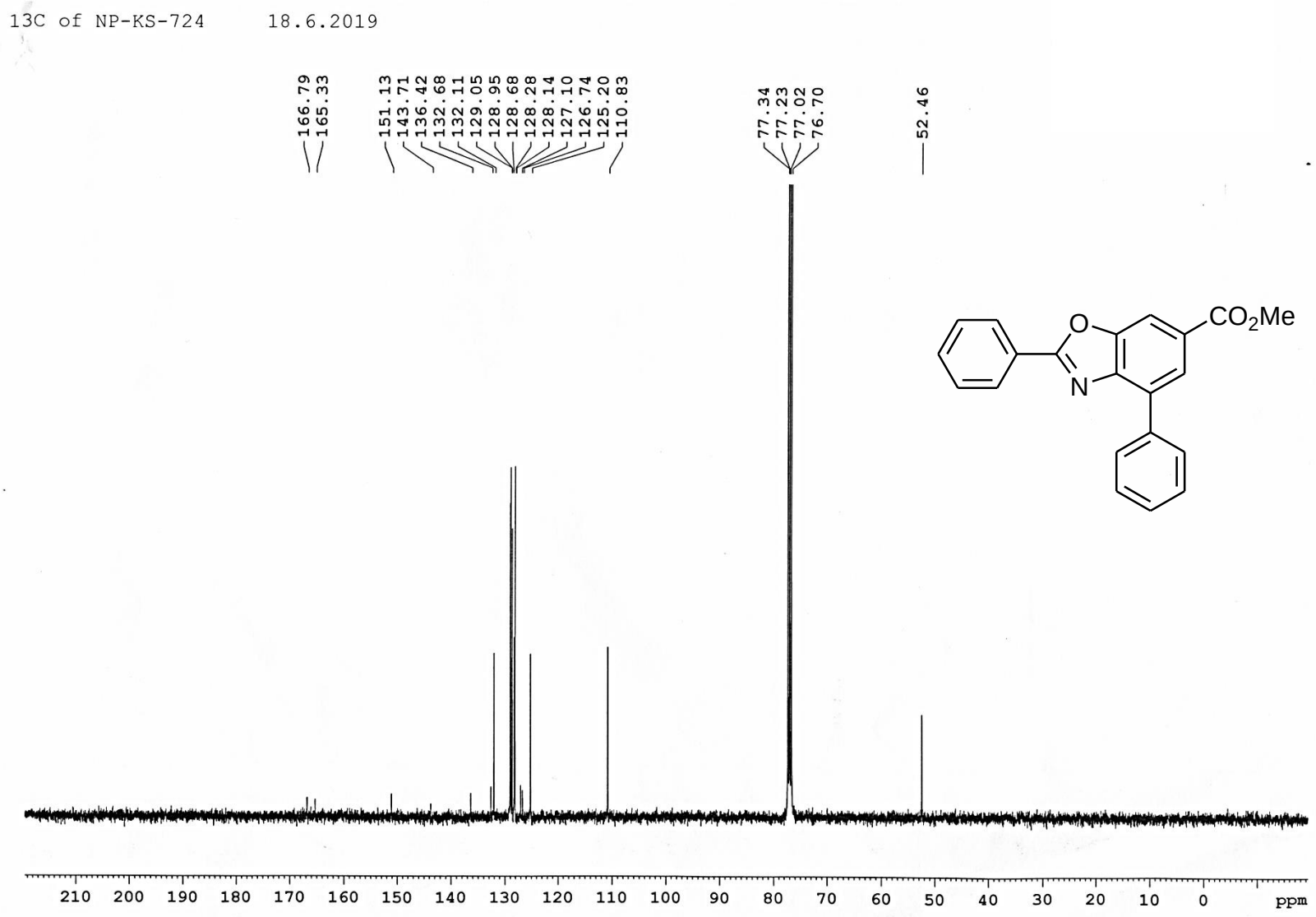

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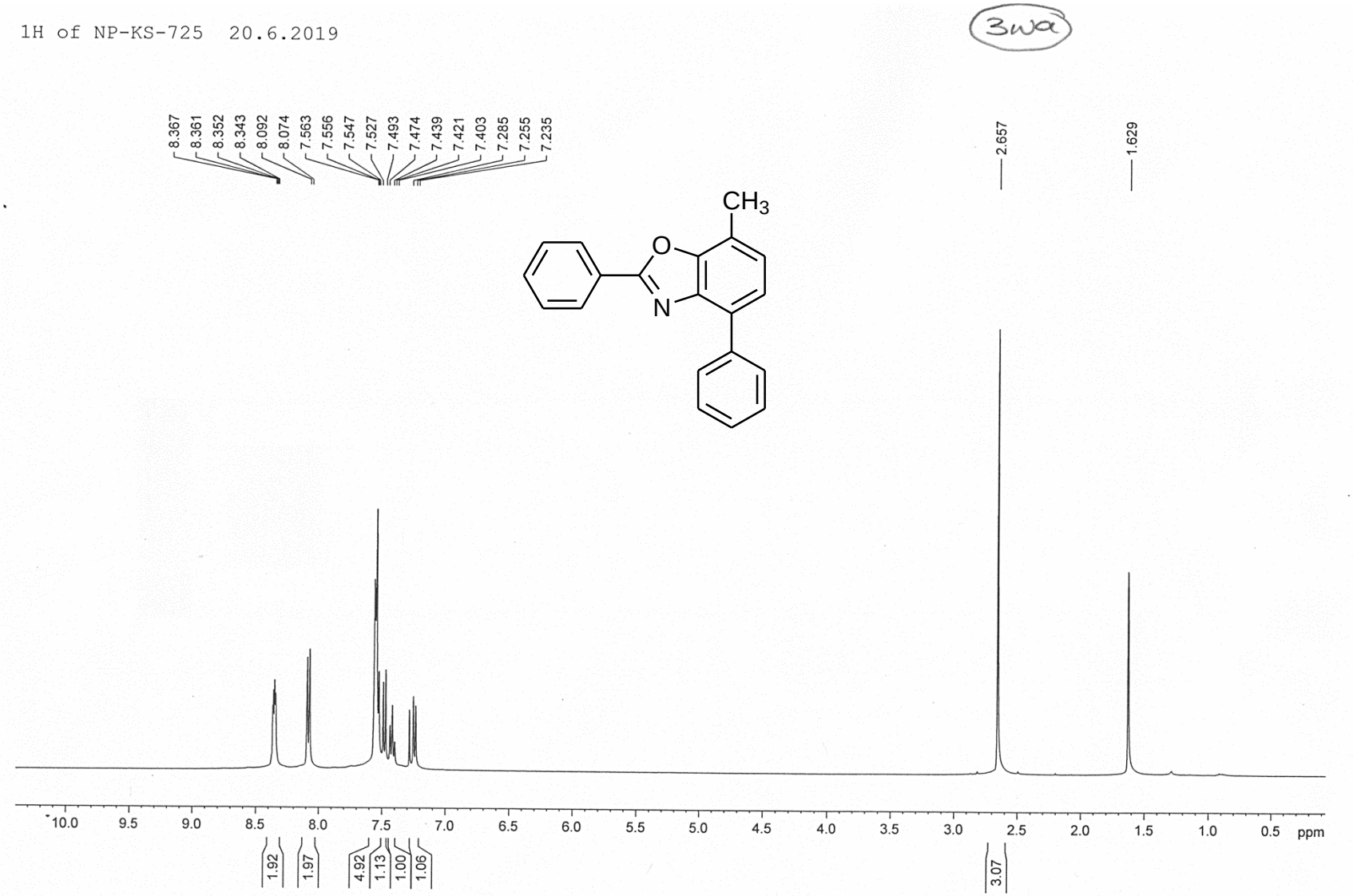

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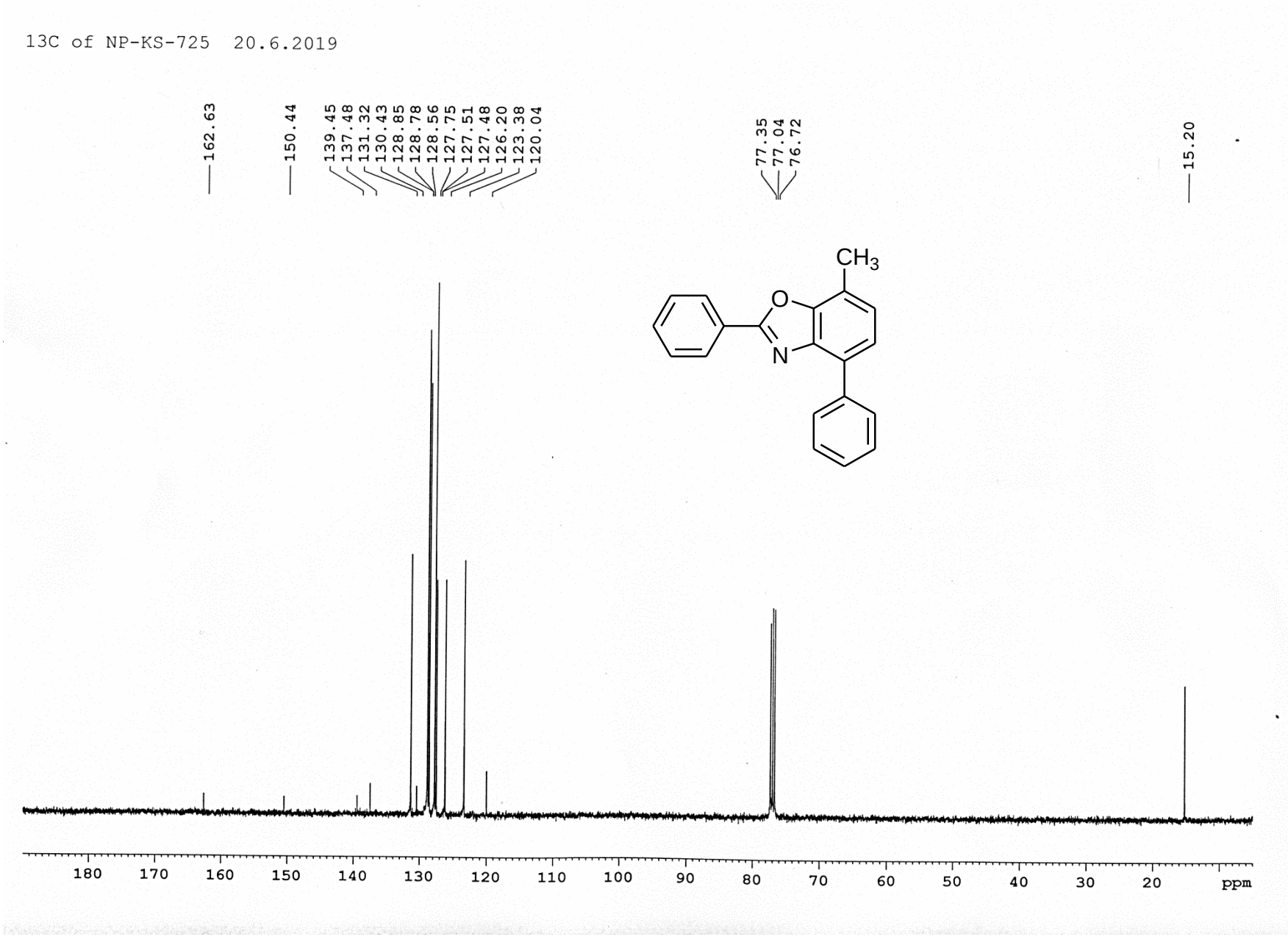

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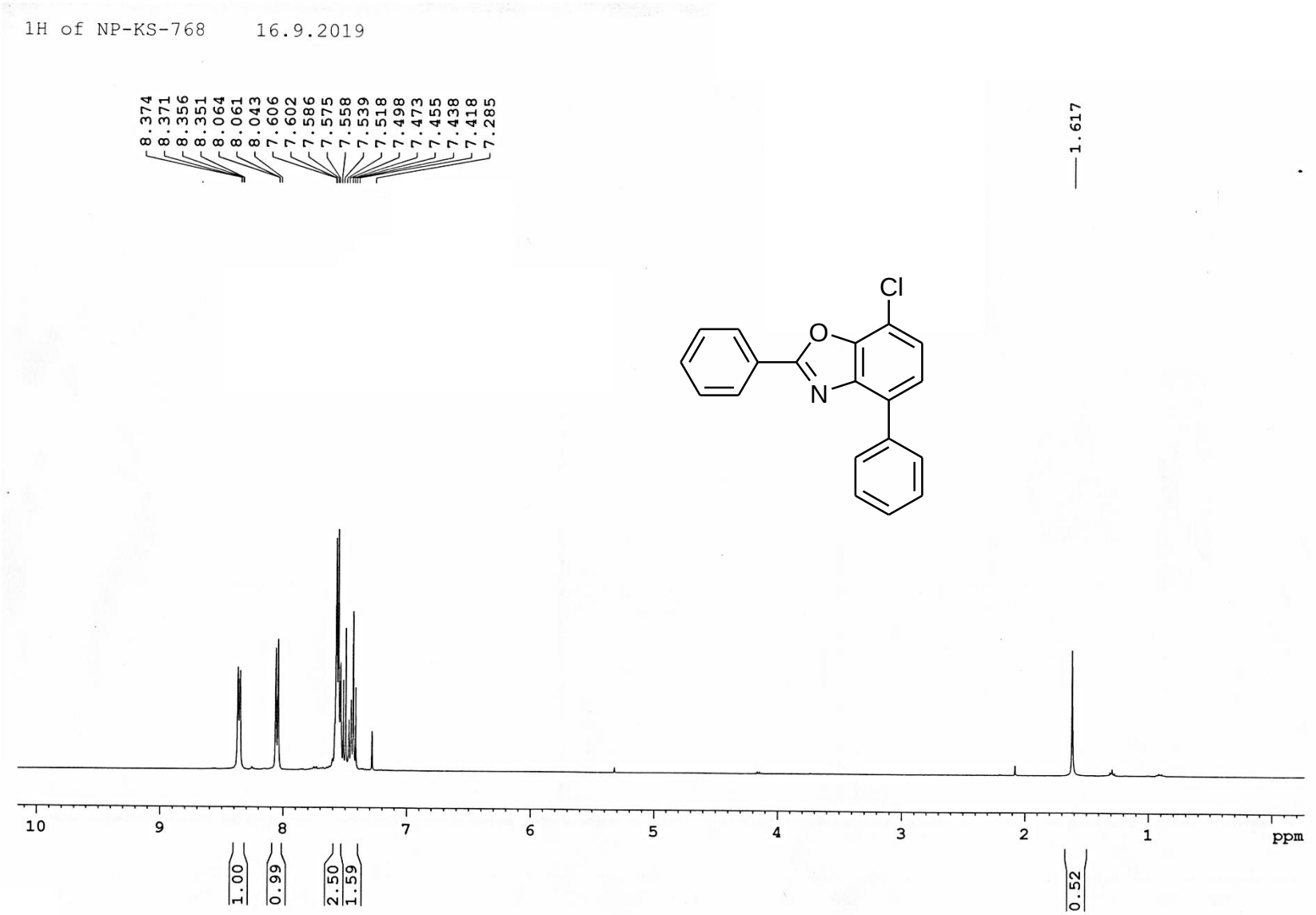
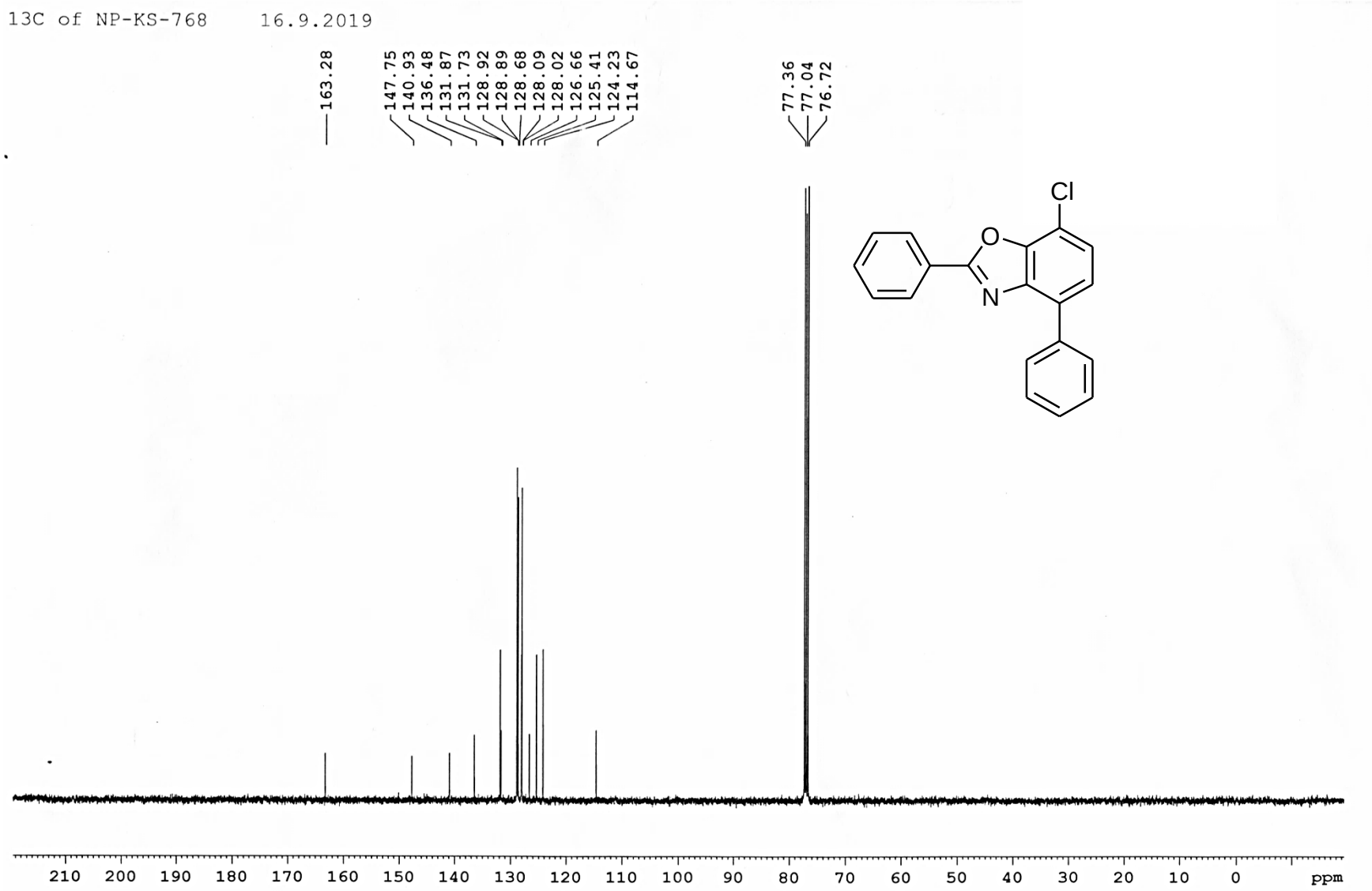
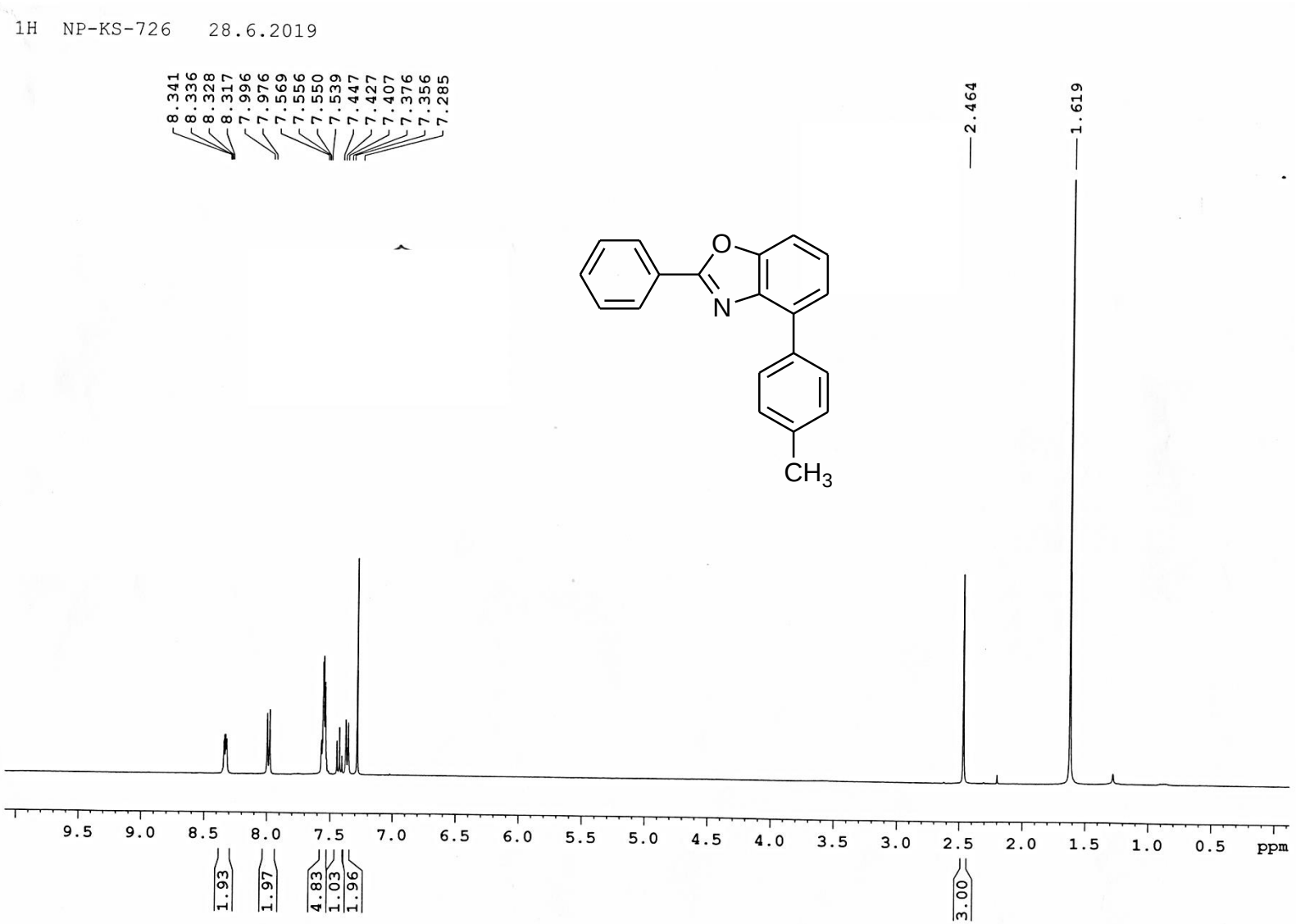


^{13}C NMR of 7-chloro-2,4-dihenylbenzo[d]oxazole (3xa)



^{1}H NMR of 2-phenyl -4- p-tolylbenz[d]oxazole (3ab)



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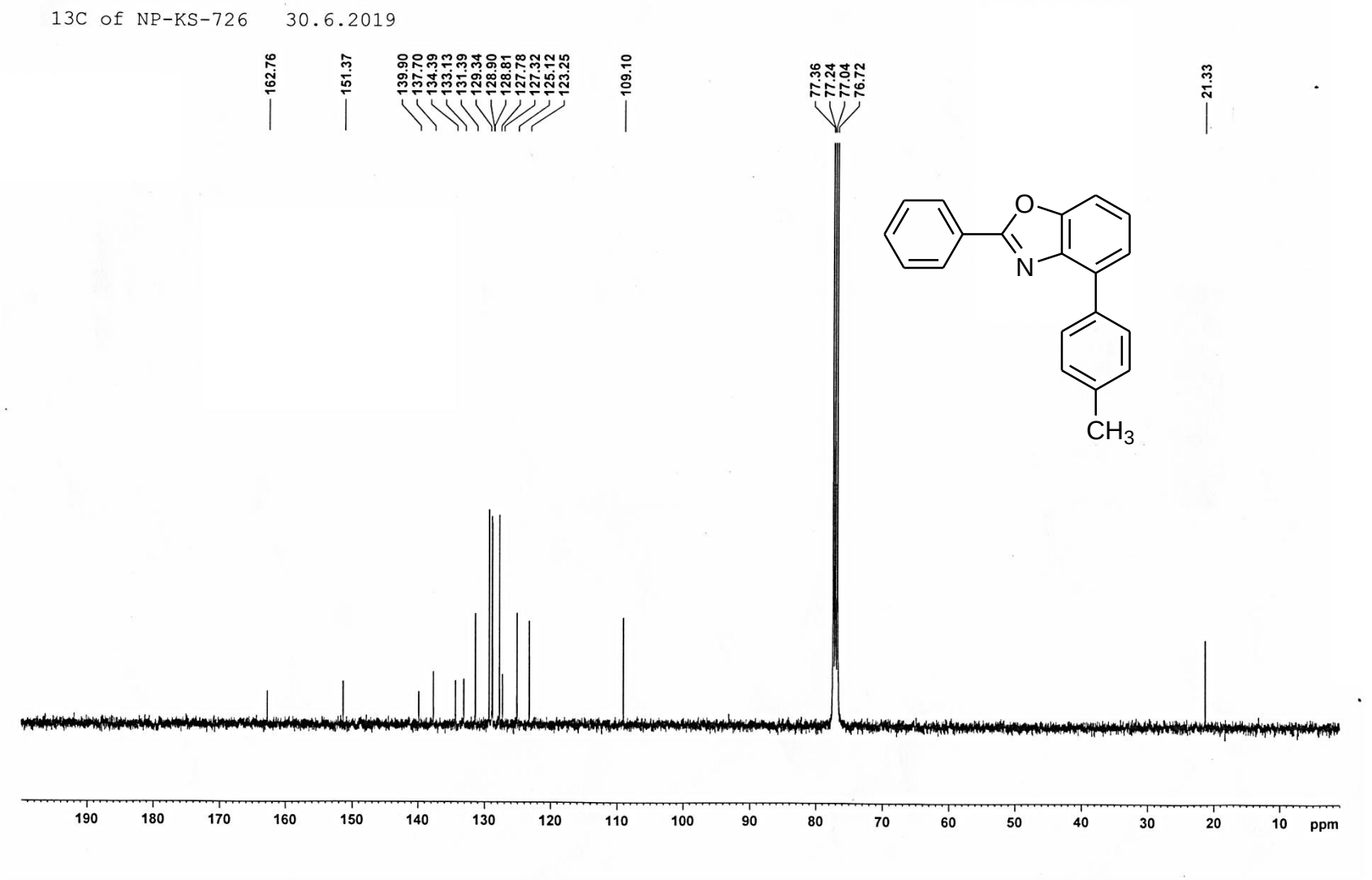

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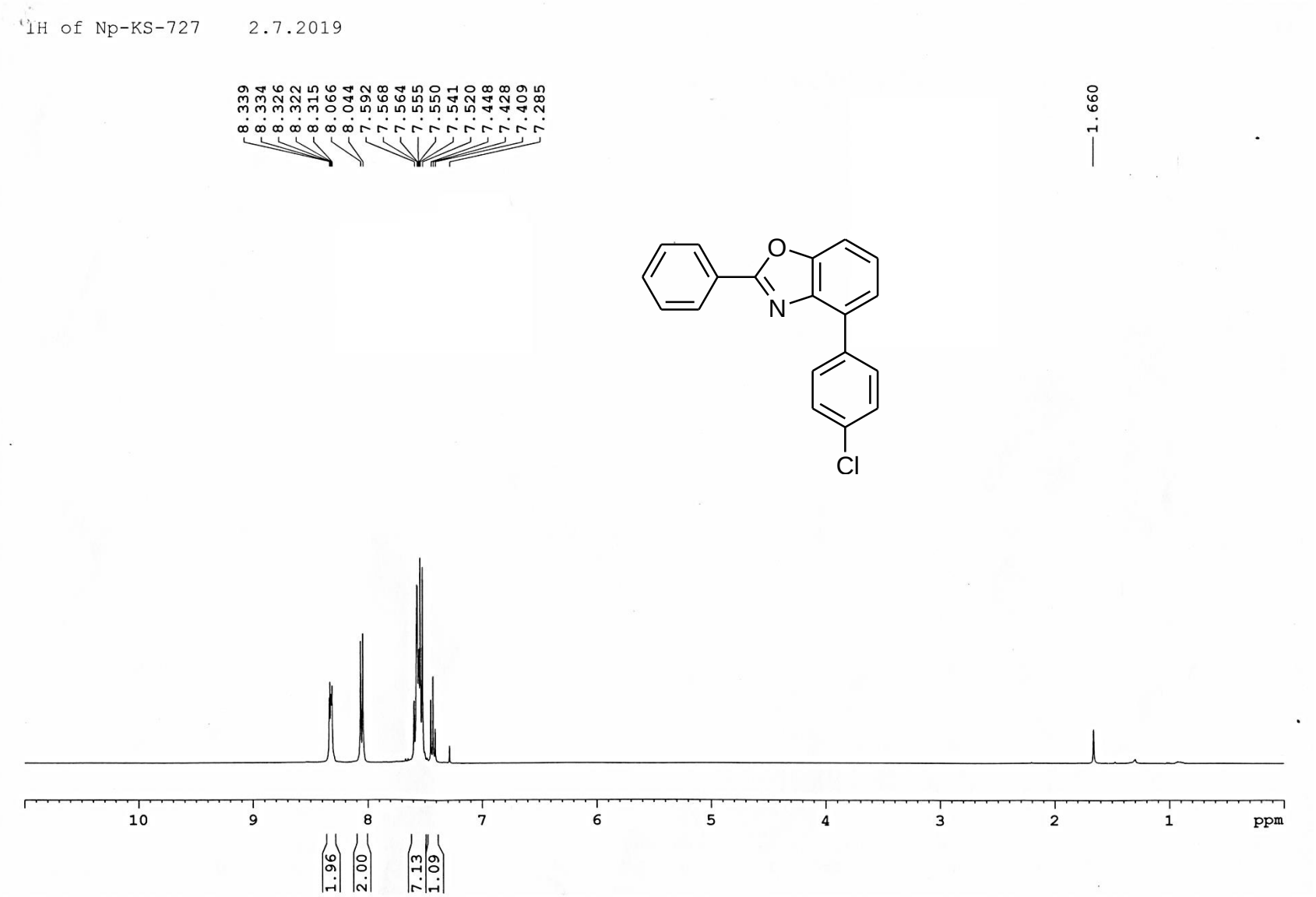
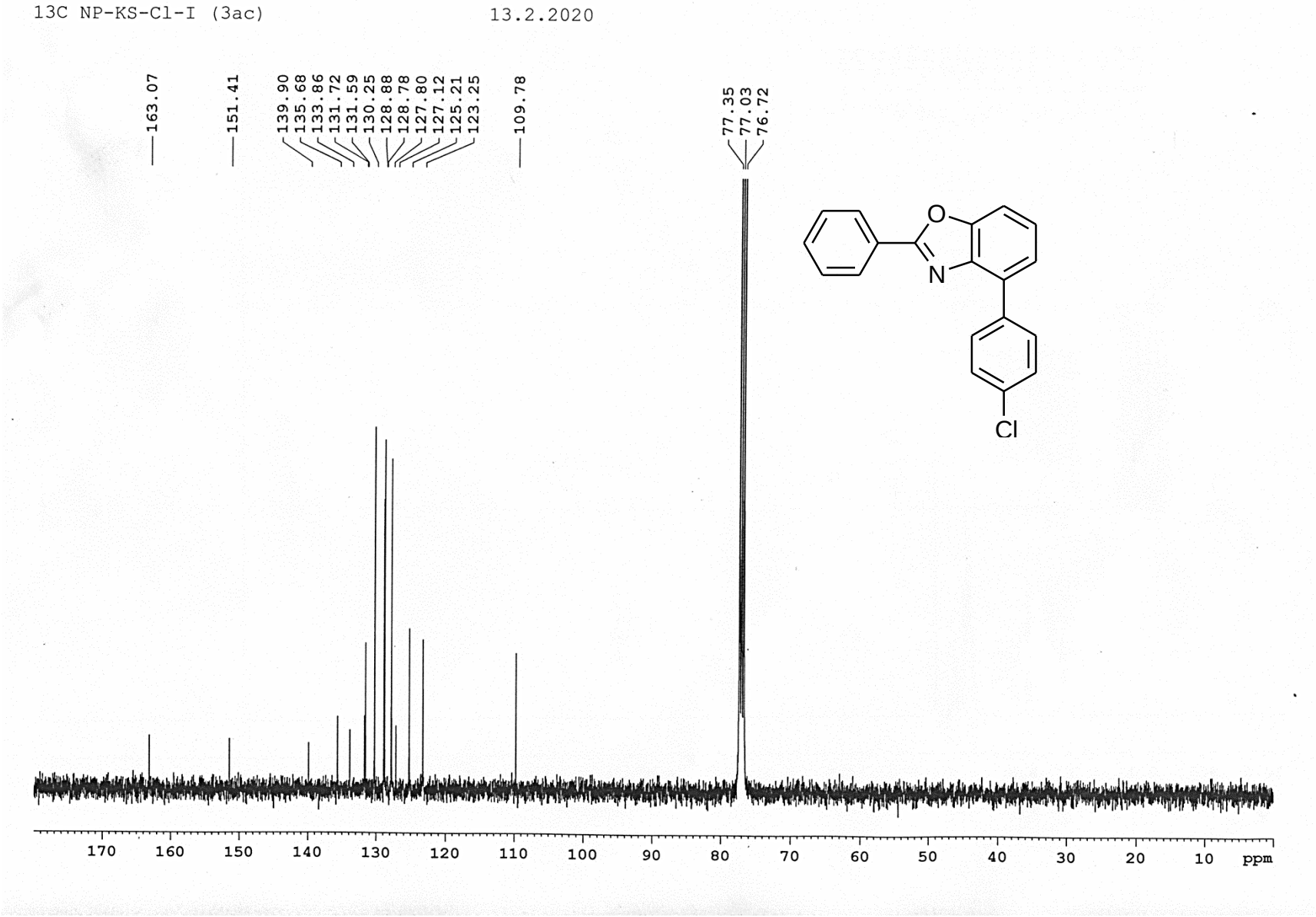
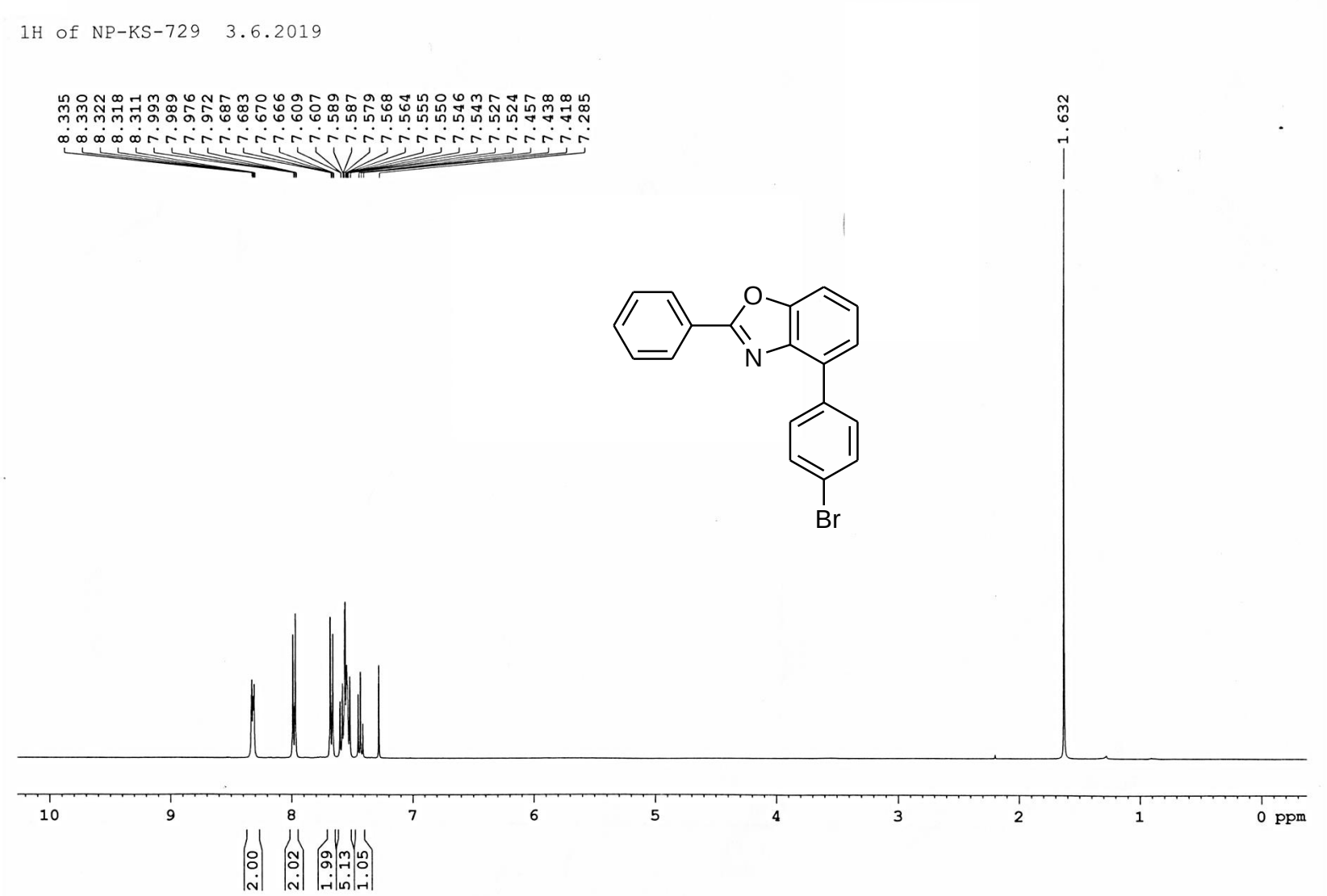


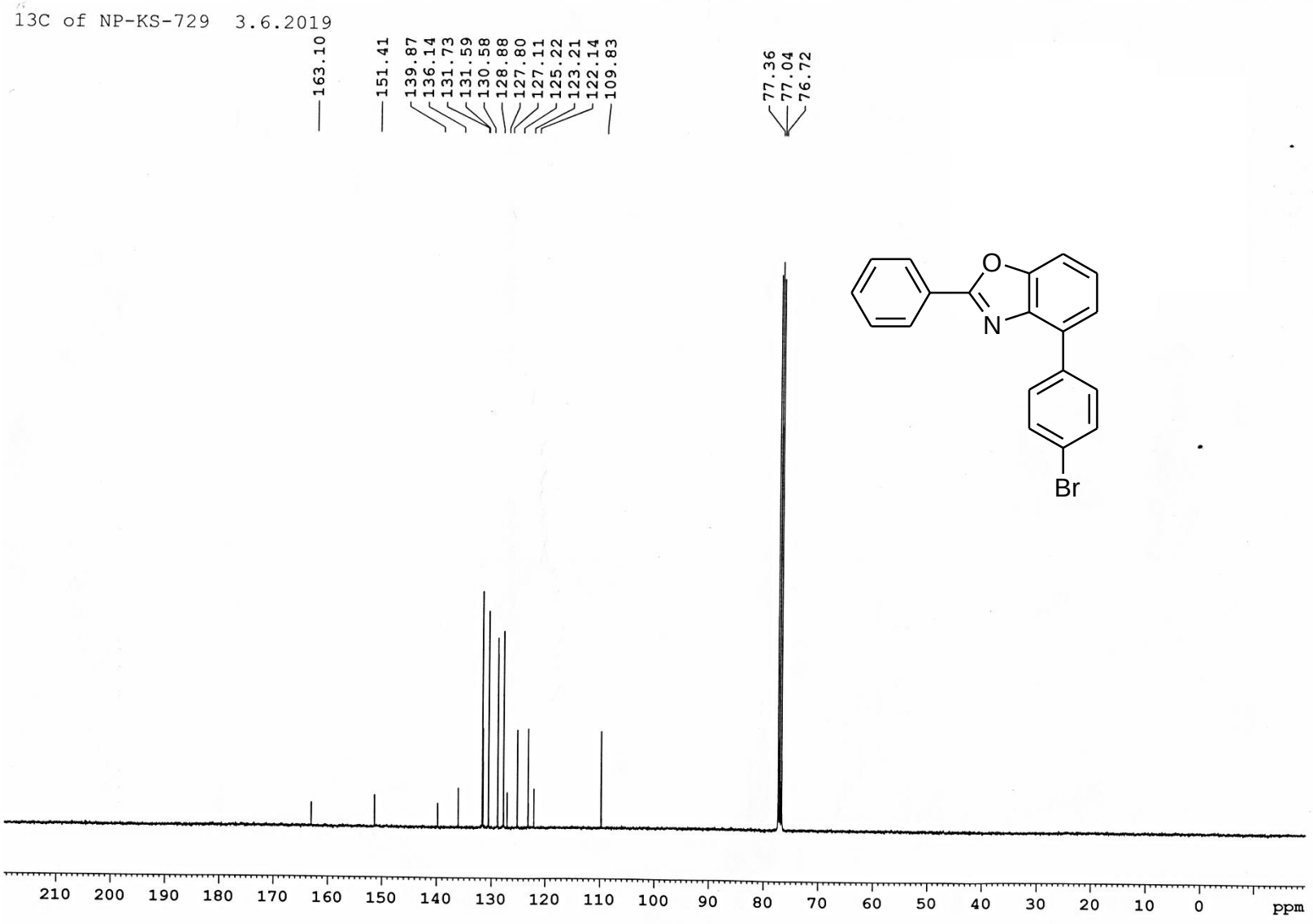
^{13}C NMR of 4-(4-chlorophenyl)-2-phenylbenzo[d]oxazole (3ac)



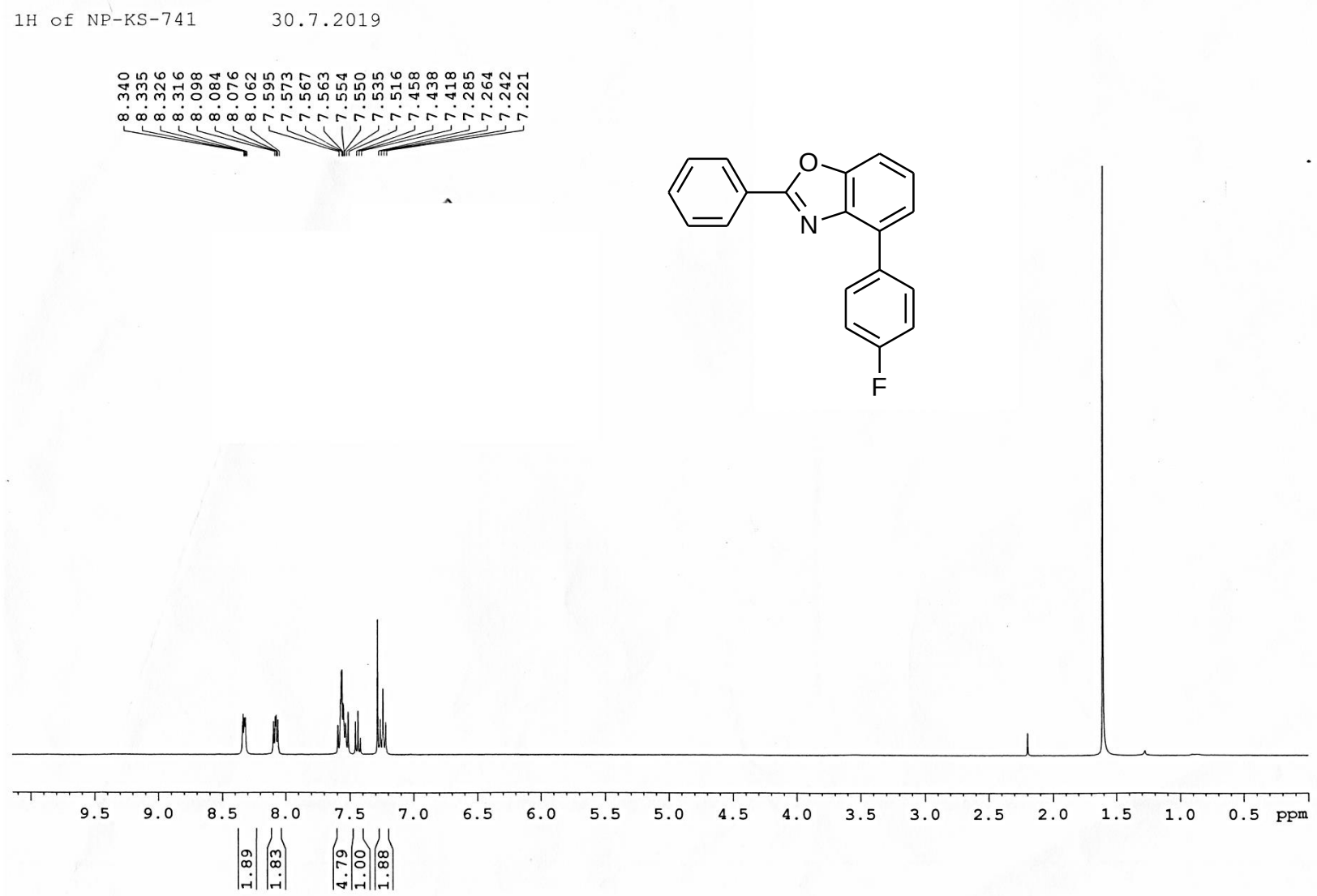
^{1}H NMR of (4-bromophenyl)-2-phenylbenzo[d]oxazole(3ad)



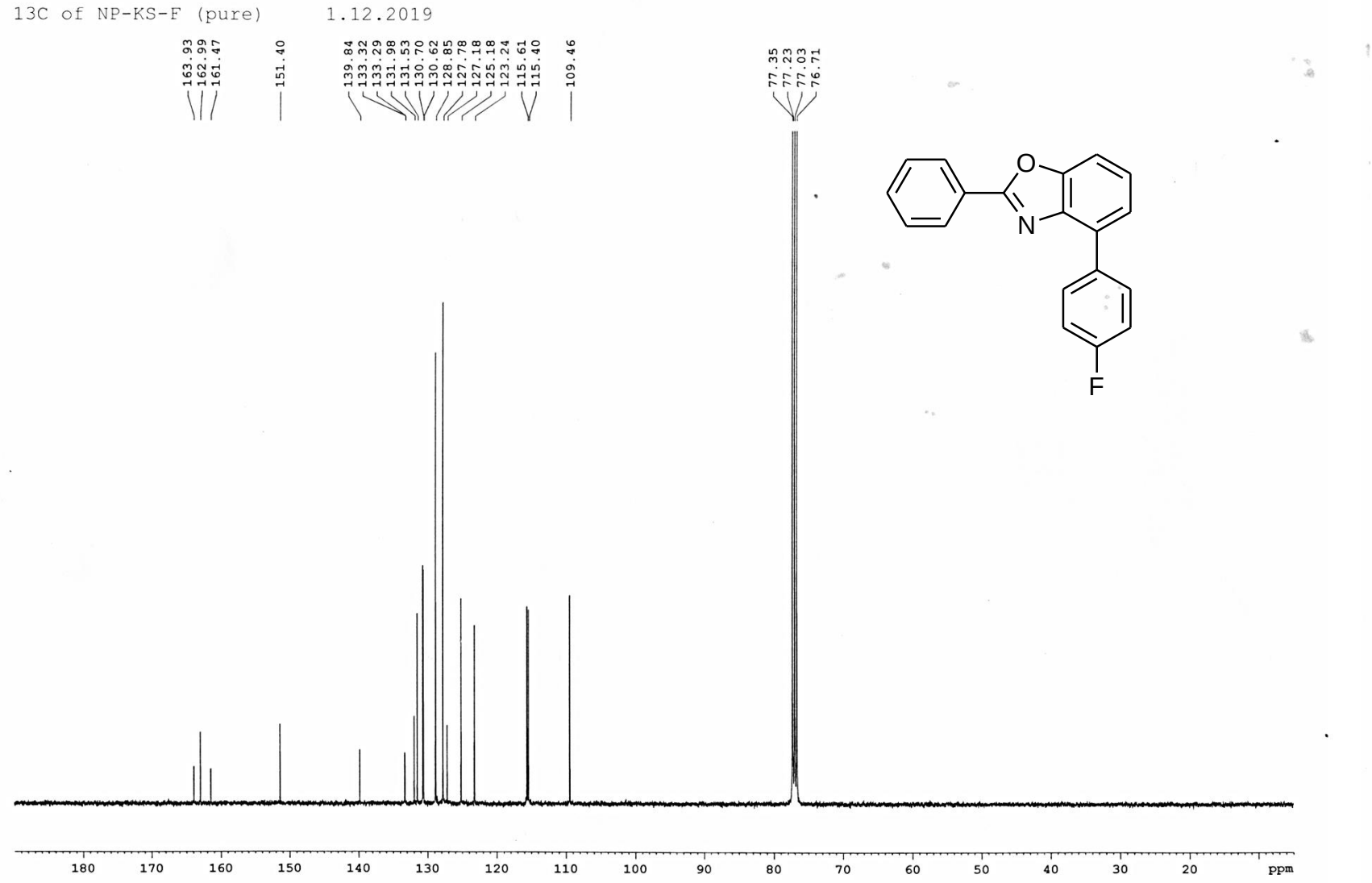
^{13}C NMR of (4-bromophenyl)-2-phenylbenzo[d]oxazole(3ad)



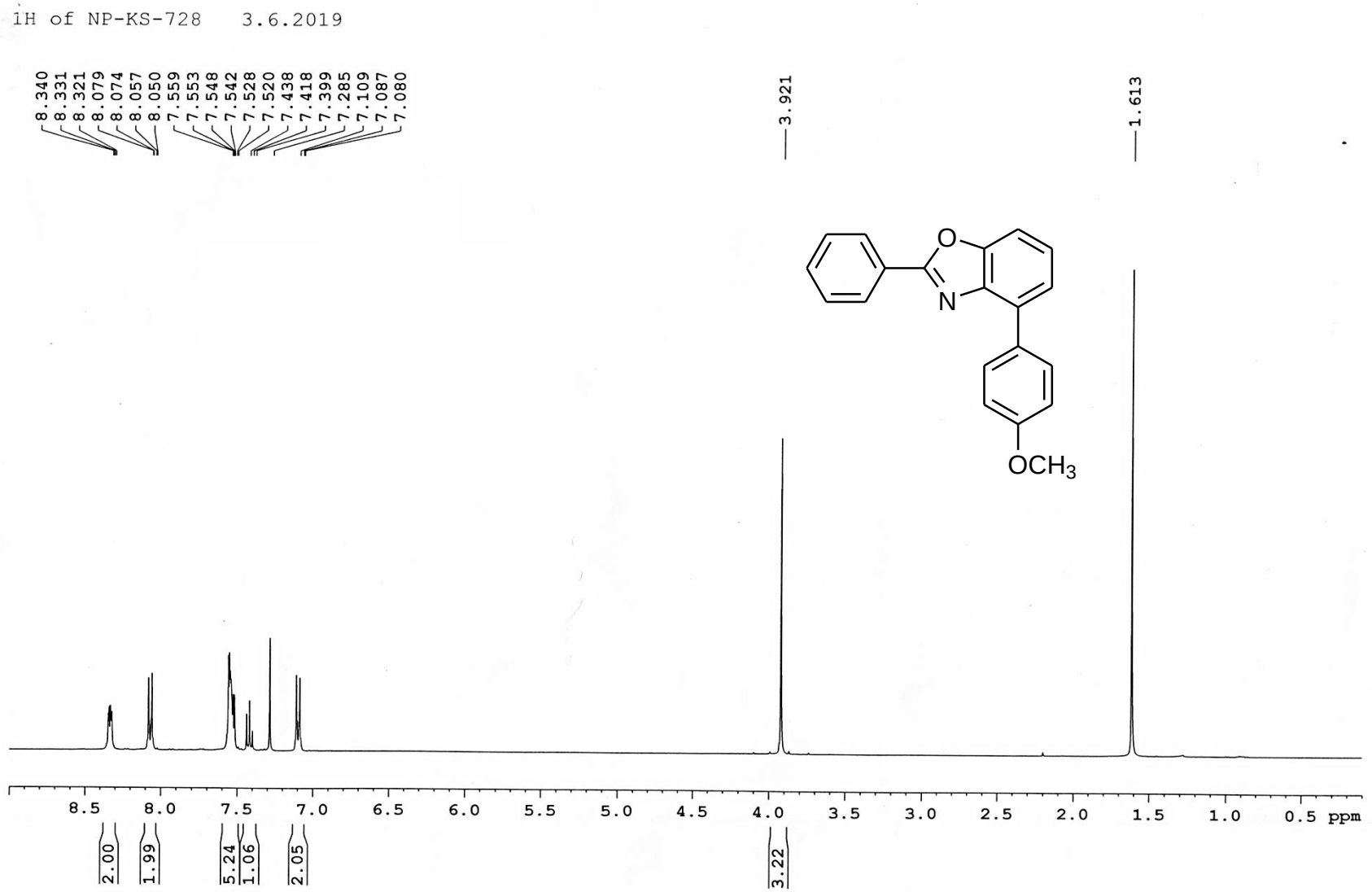
^{1}H NMR of 4-(4-fluorophenyl)-2-phenylbenzo[d]oxazole (3ae)



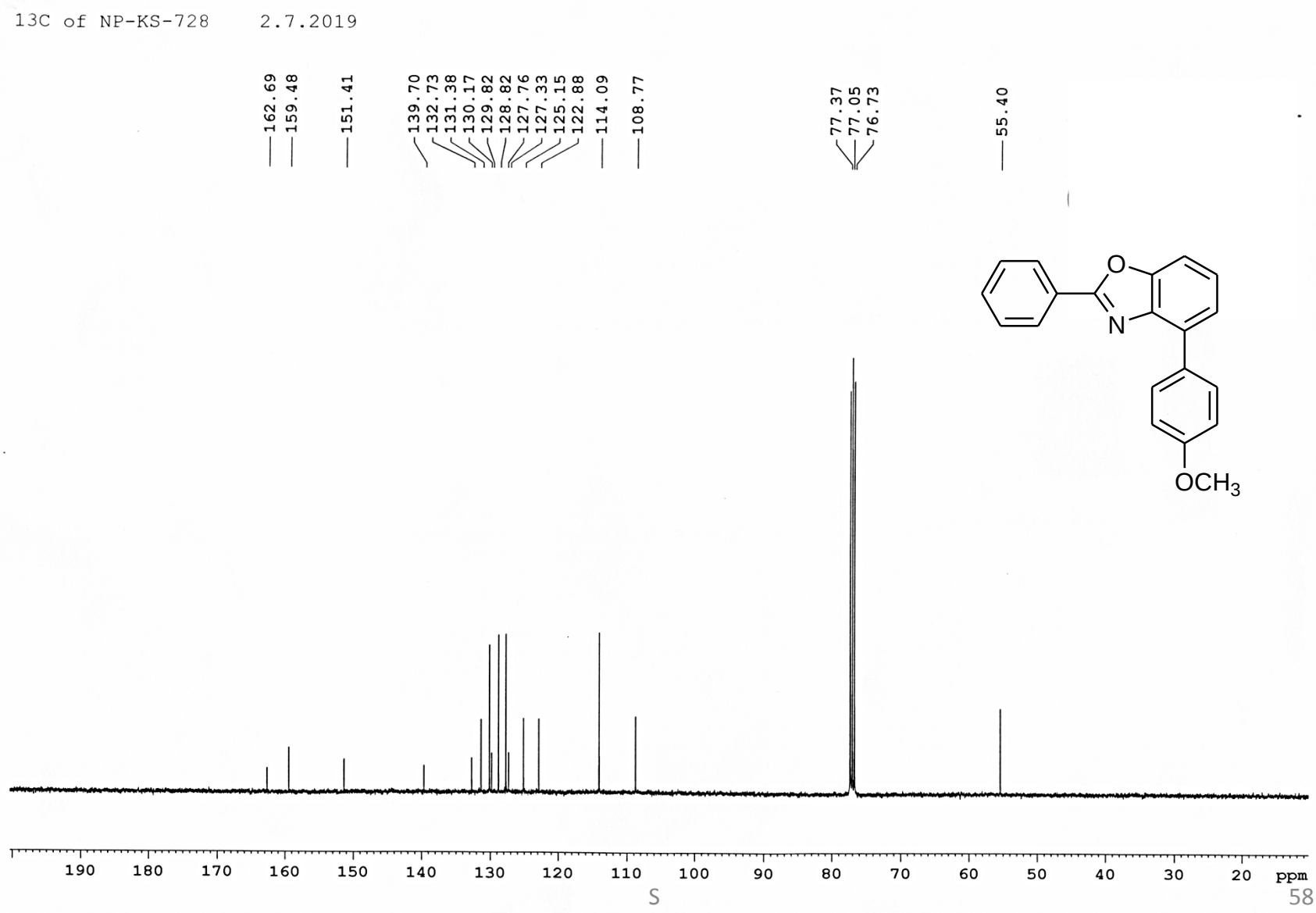
^{13}C NMR of 4-(4-fluorophenyl)-2-phenylbenzo[d]oxazole (3ae)



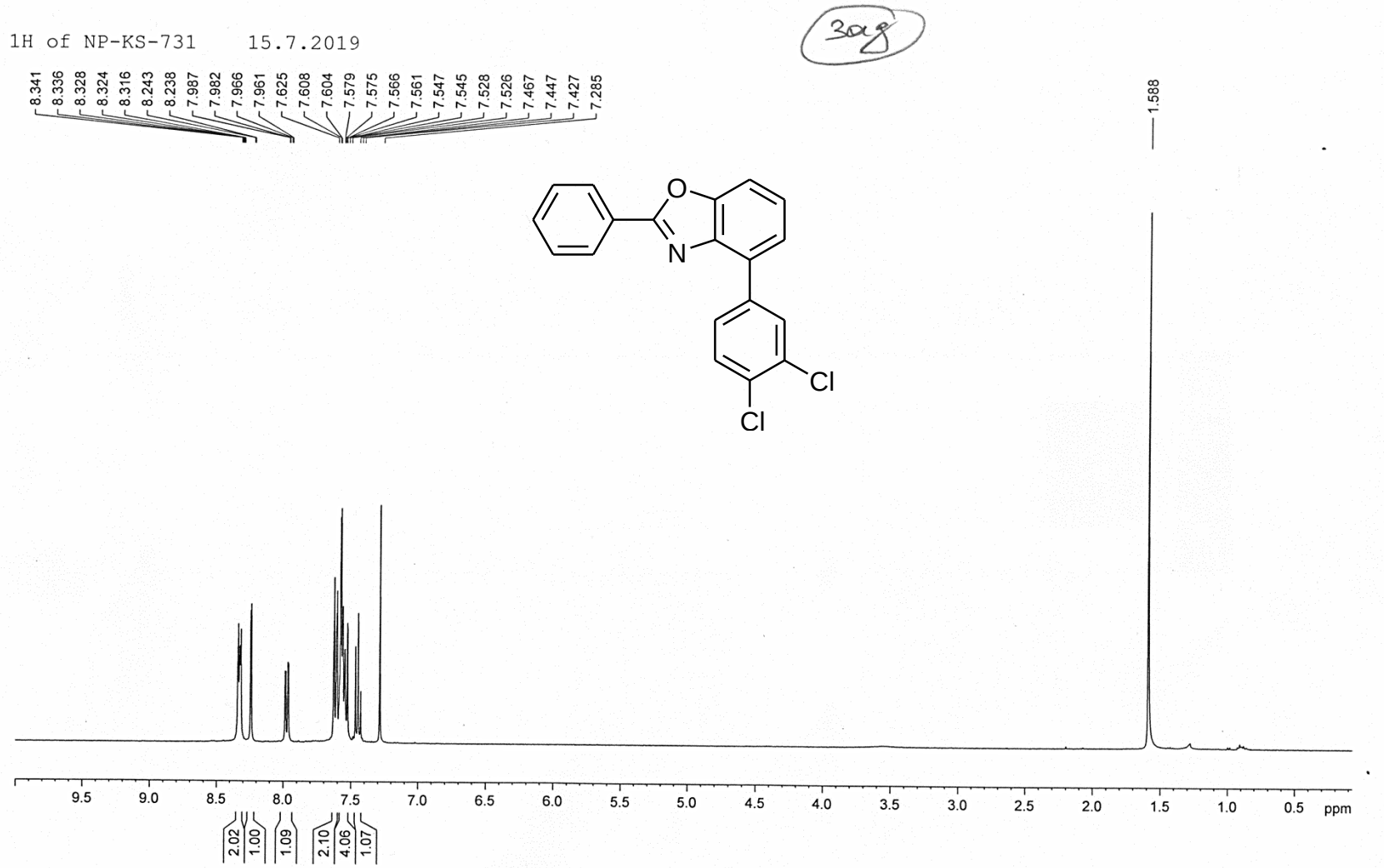
^{1}H NMR of 4-(4-methoxyphenyl)-2-phenylbenzo[d]oxazole (3af)



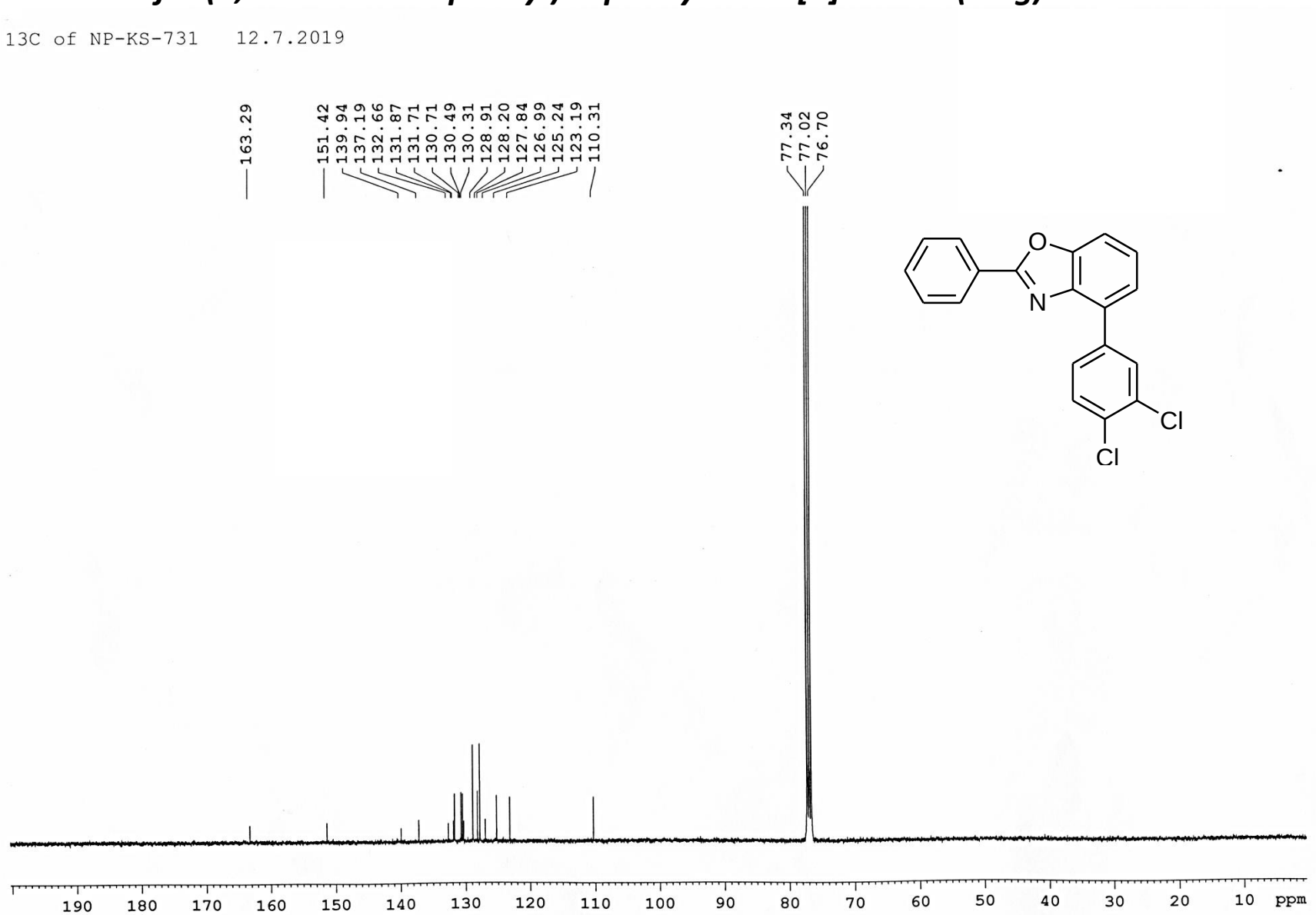
^{13}C NMR of 4-(4-methoxyphenyl)-2-phenylbenzo[d]oxazole (3af)



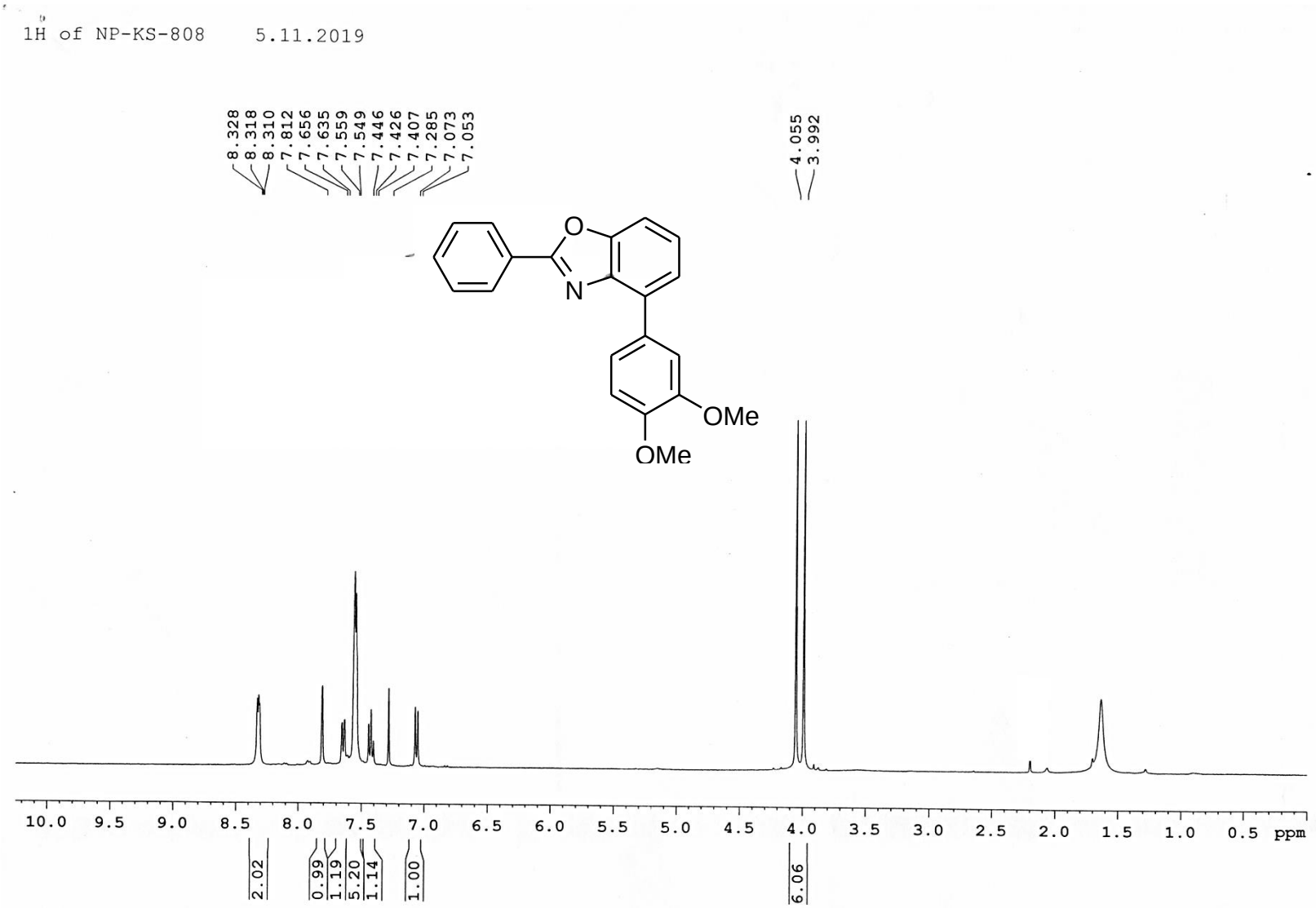
^{1}H NMR of 4-(3, 4- Dichloro - phenyl)-2-phenylbenzo[d]oxazole(3ag)



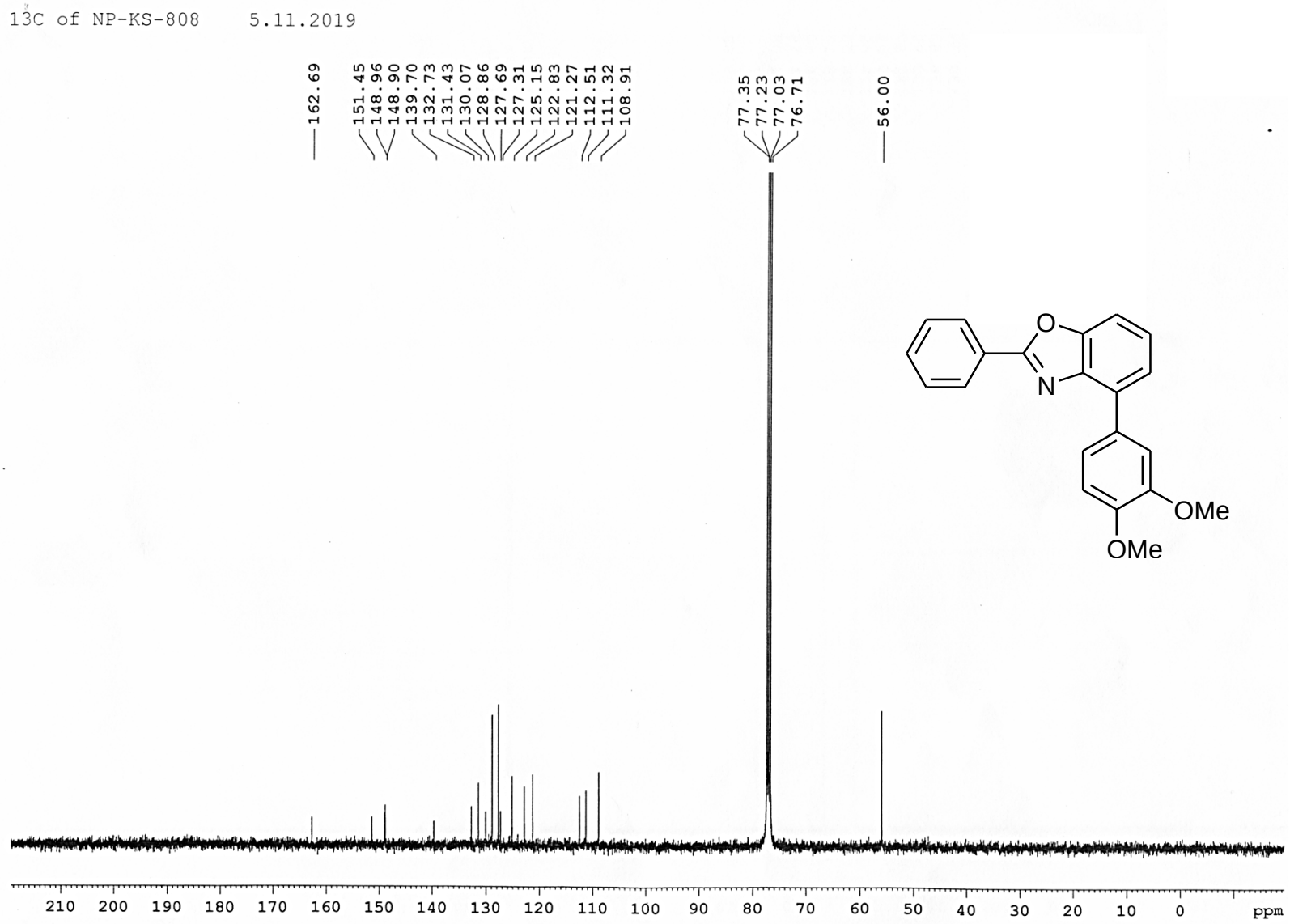
^{13}C NMR of 4-(3, 4- Dichloro - phenyl)-2-phenylbenzo[d]oxazole(3ag)



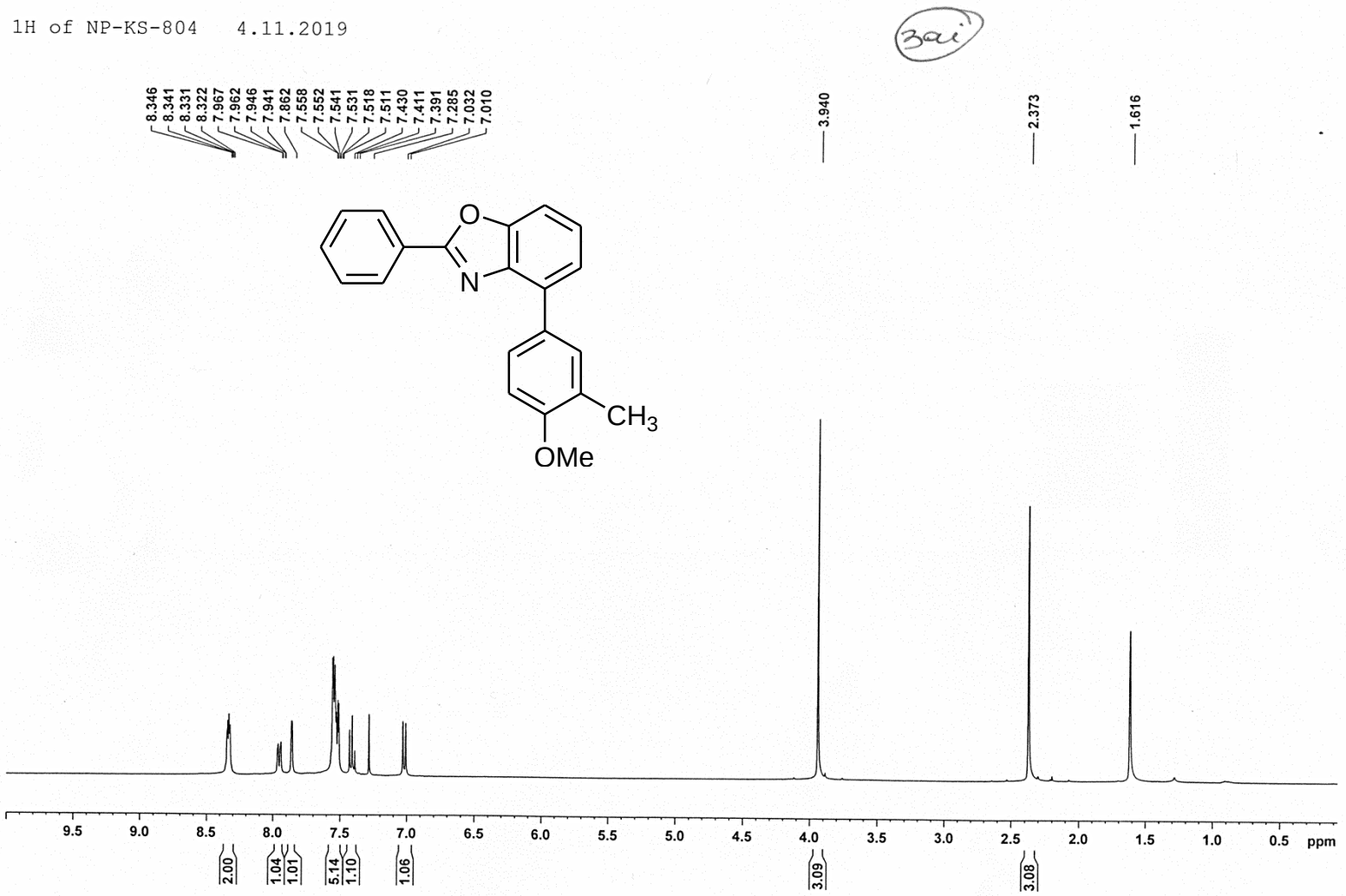
^{1}H NMR of 4-(3,4-dimethoxyphenyl)-2-phenylbenzo[d]oxazole(3ah)



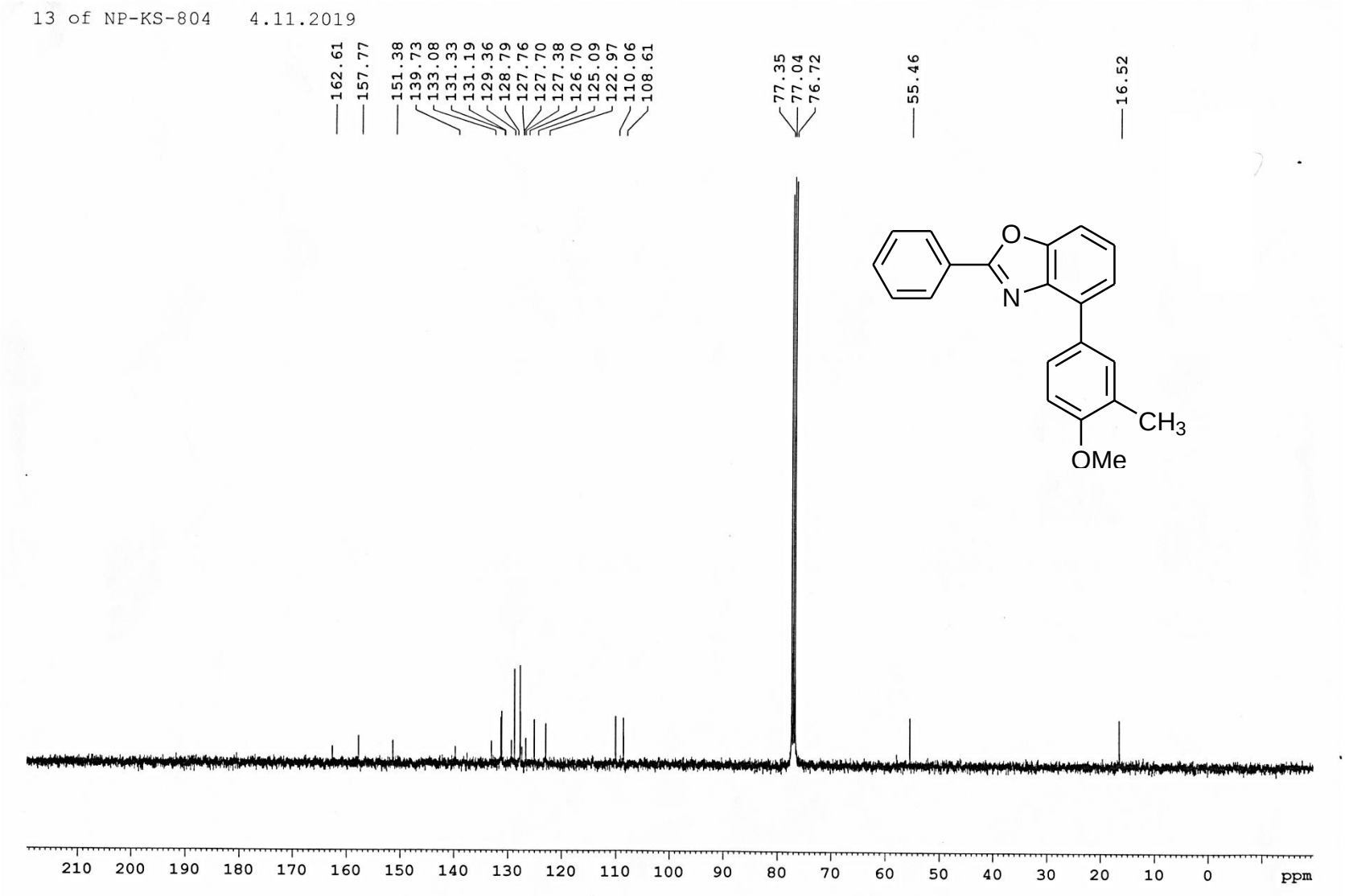
^{13}C NMR of 4-(3,4-dimethoxyphenyl)-2-phenylbenzo[d]oxazole(3ah)



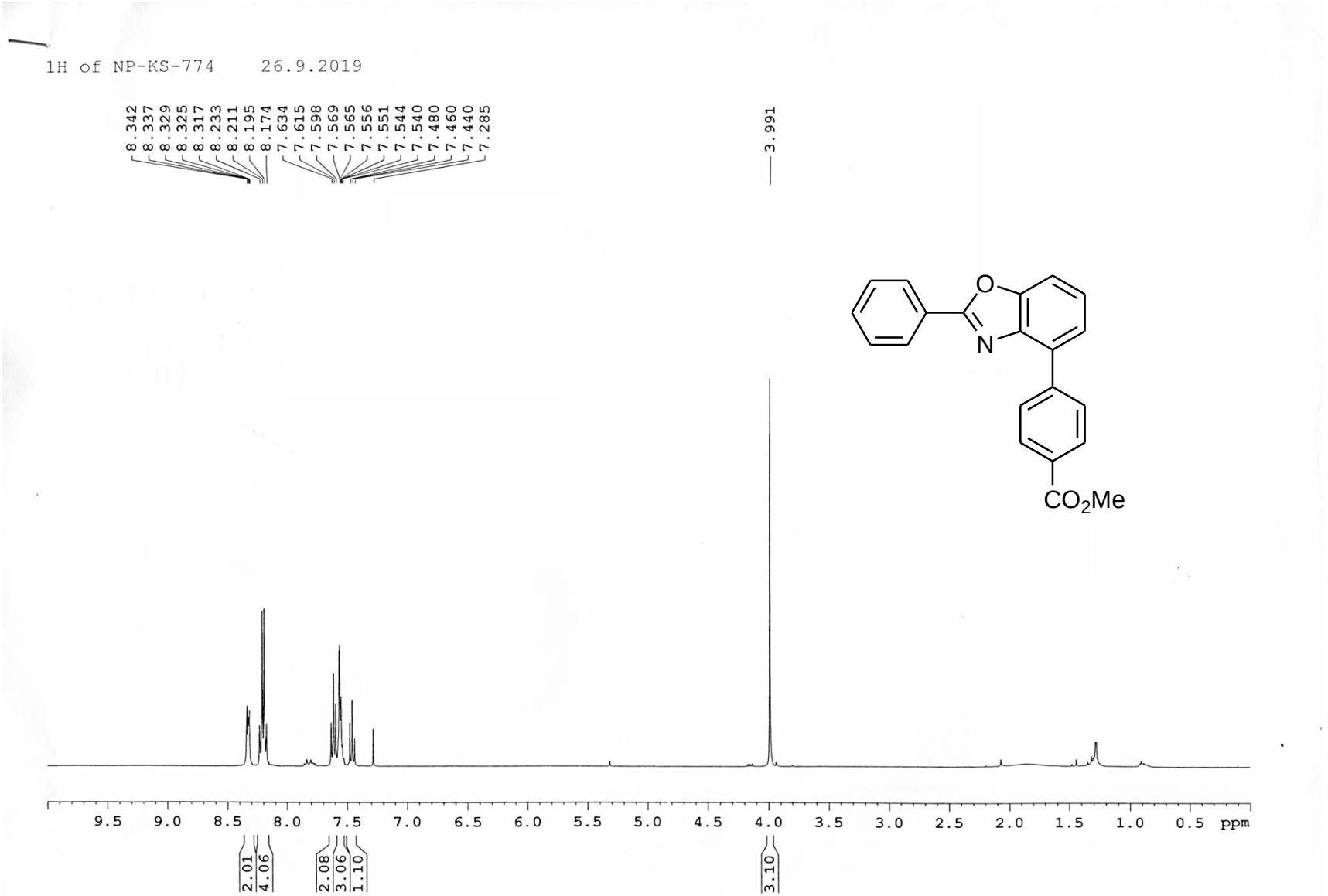
^{1}H NMR of 4-(4-methoxy-3-methylphenyl)-2-phenylbenzo[d]oxazole(3ai)



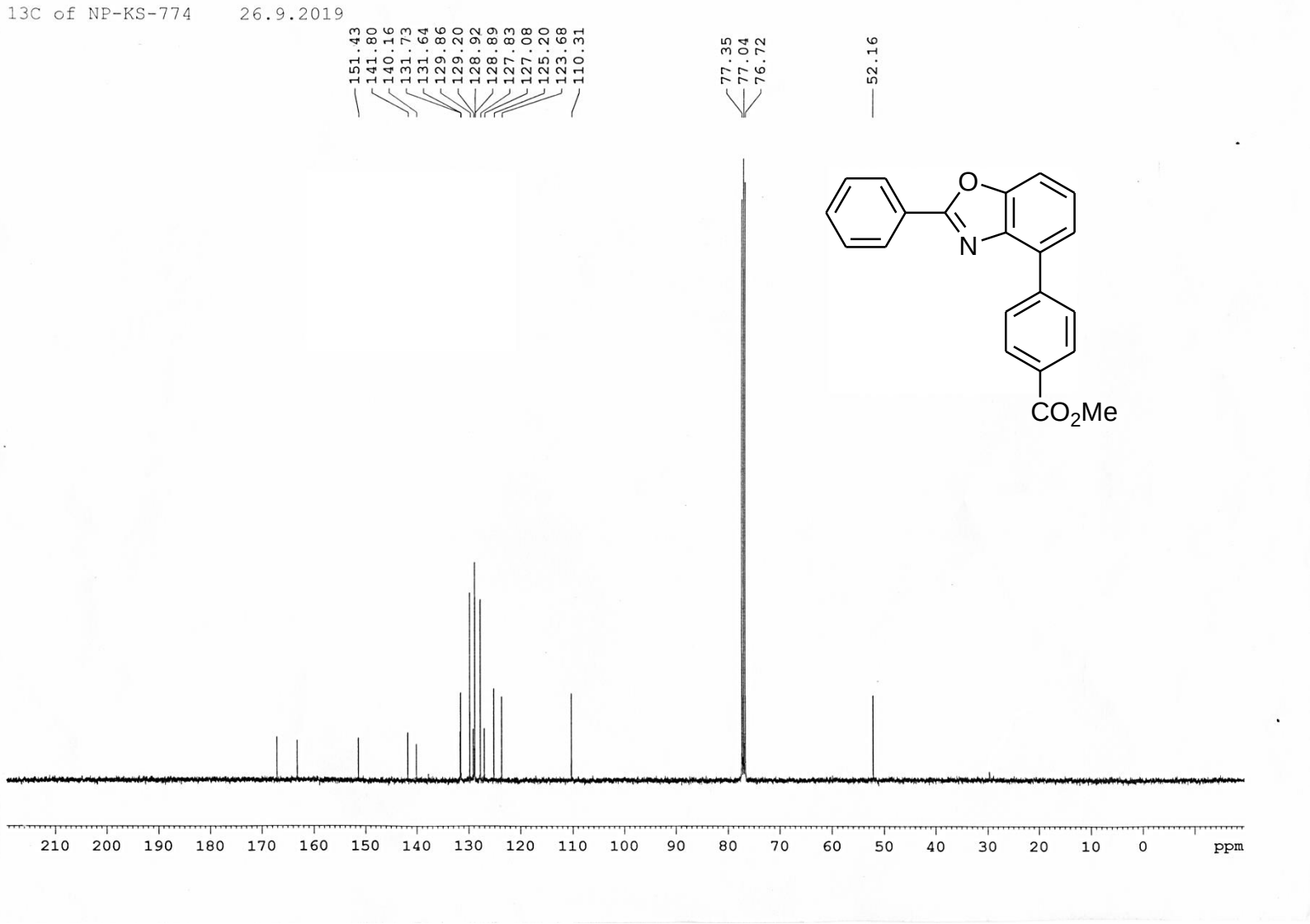
^{13}C NMR of 4-(4-methoxy-3-methylphenyl)-2-phenylbenzo[d]oxazole(3ai)



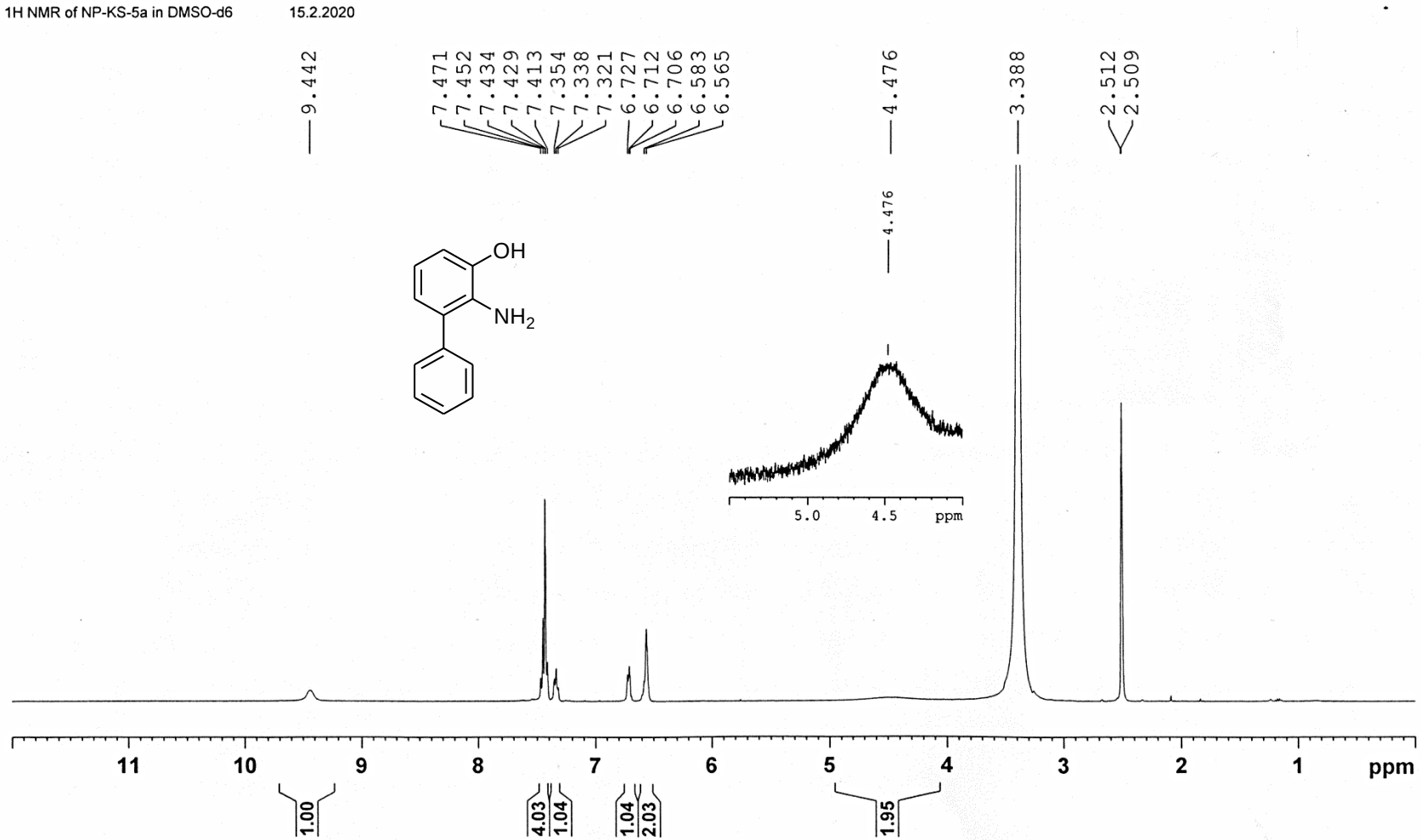
^{1}H NMR of Methyl 4-(2-phenylbenzo[d]oxazol-4-yl)benzoate (3aj)



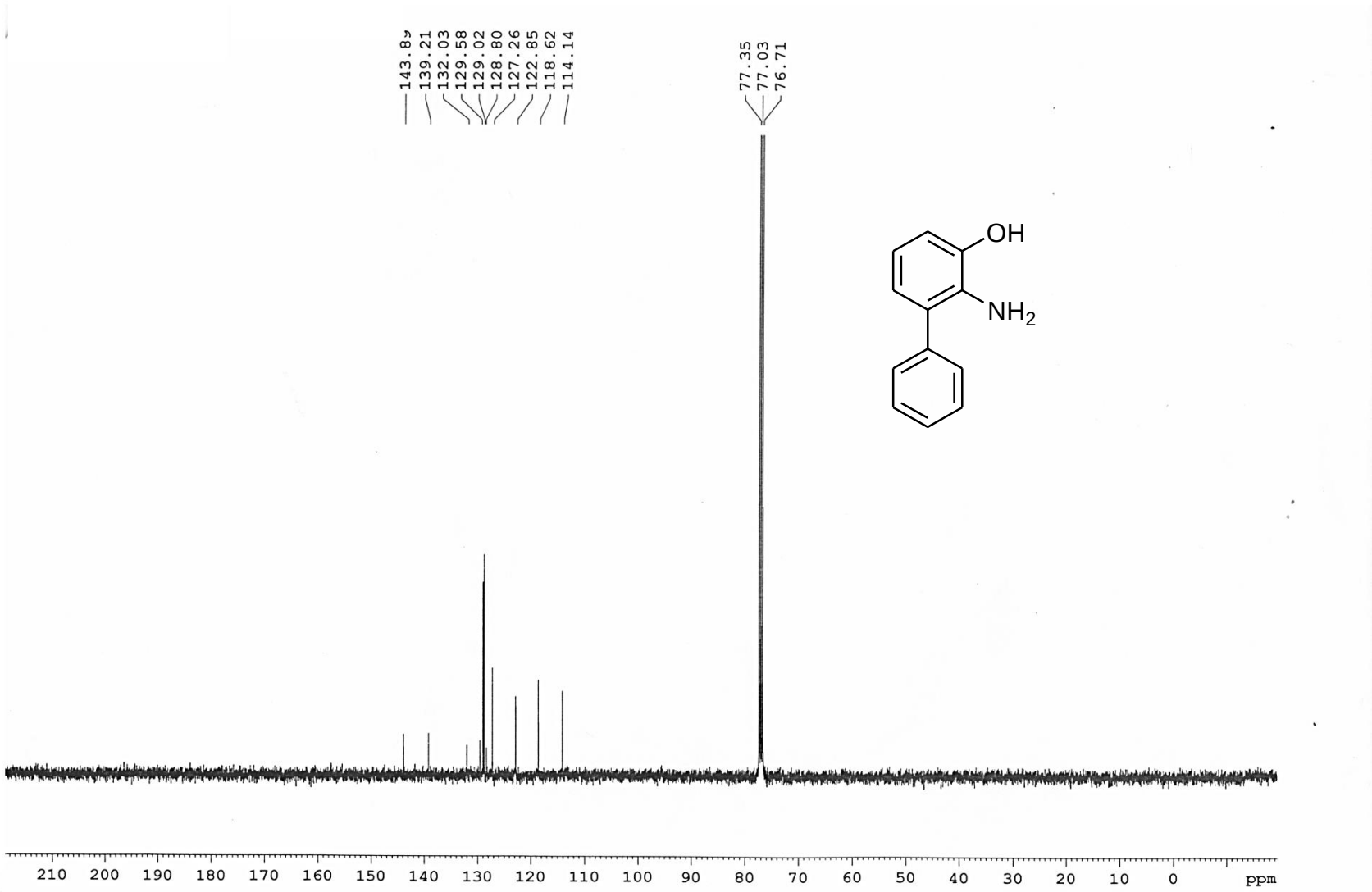
^{13}C NMR of Methyl 4-(2-phenylbenzo[d]oxazol-4-yl)benzoate (3aj)



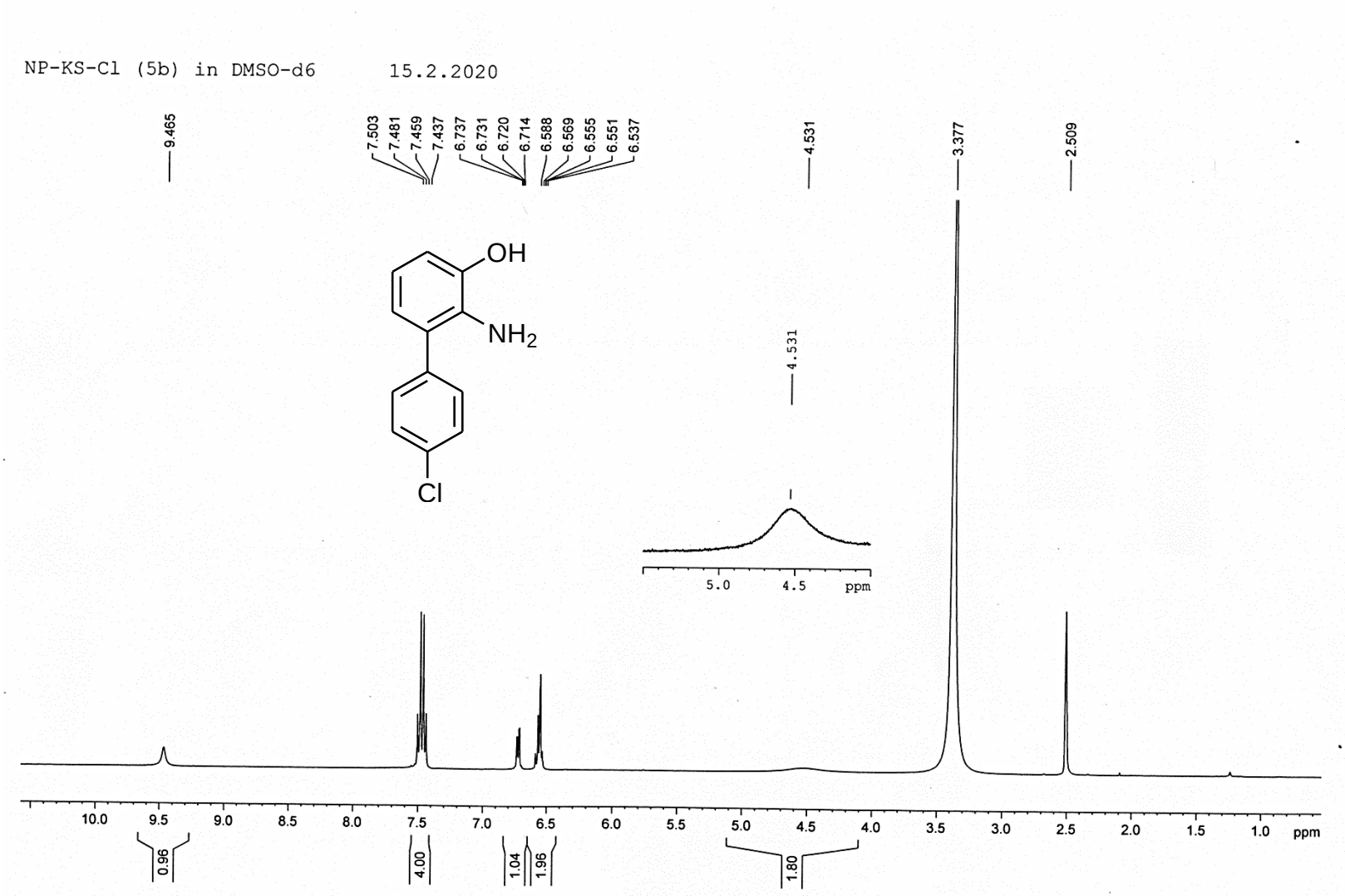
^{1}H NMR of 2-Amino-biphenyl-3-ol (5a)



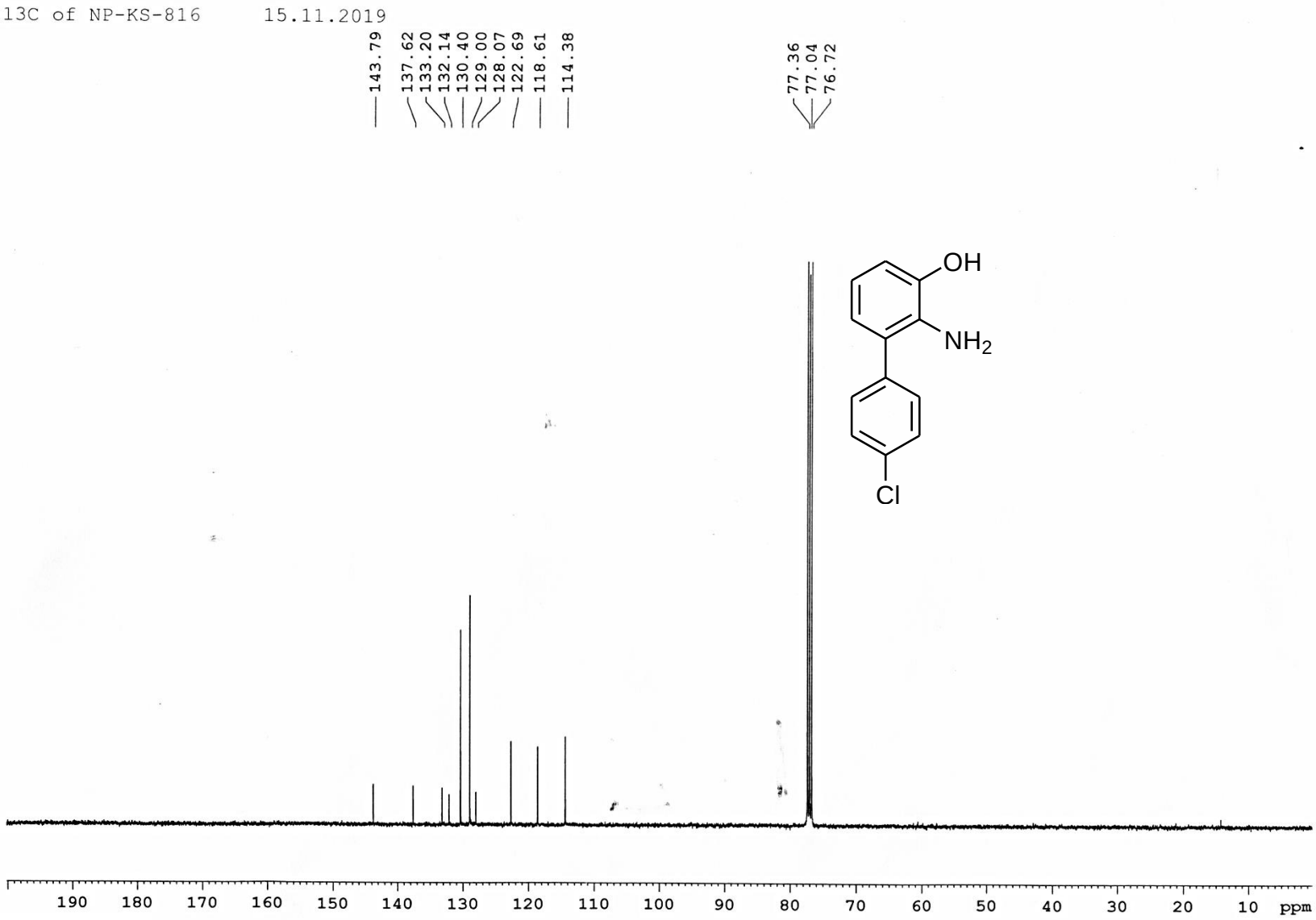
^{13}C NMR of 2-Amino-biphenyl-3-ol (5a)



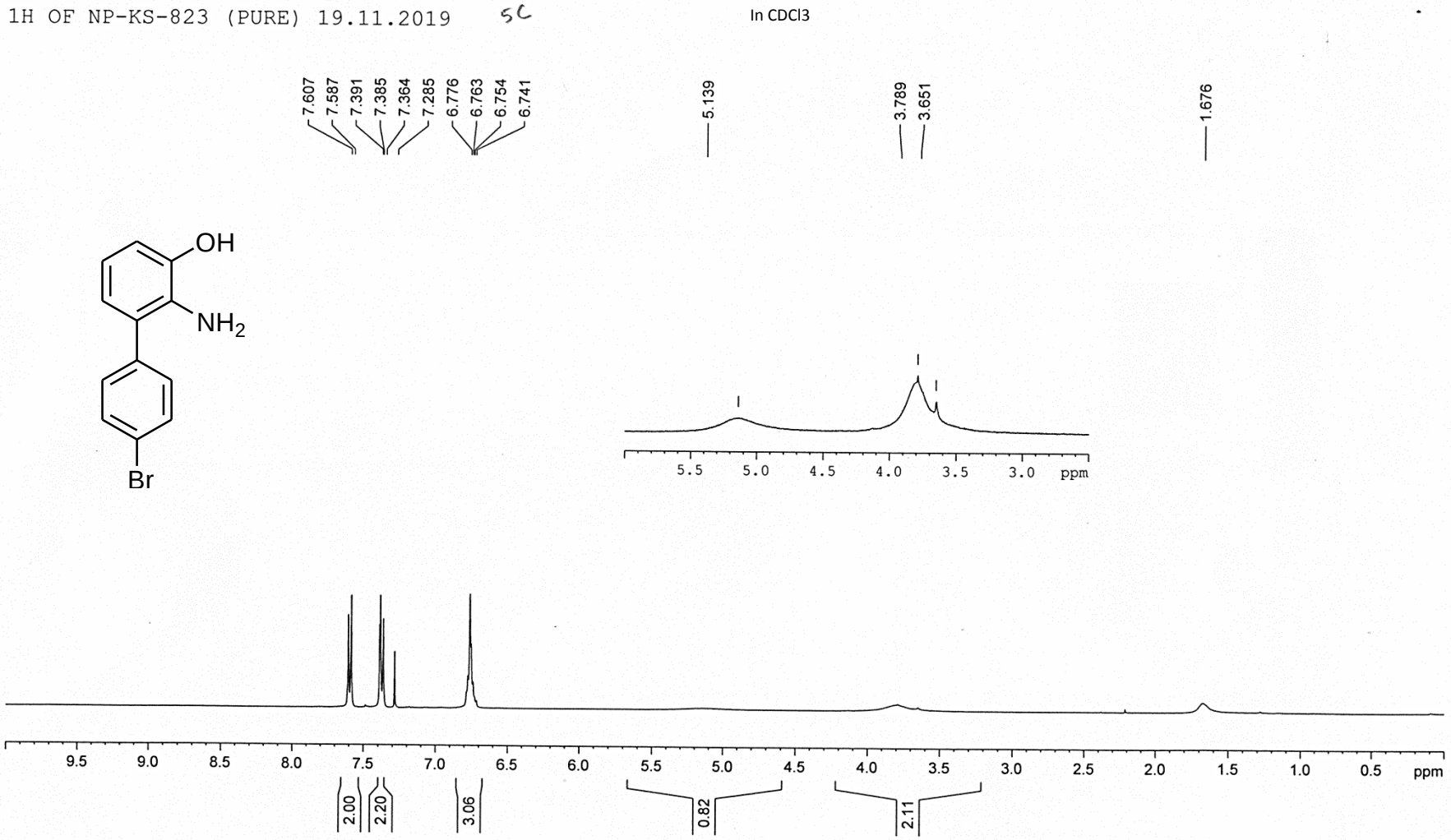
^{1}H NMR of 2-Amino-4'-chloro-biphenyl-3-ol (5b)



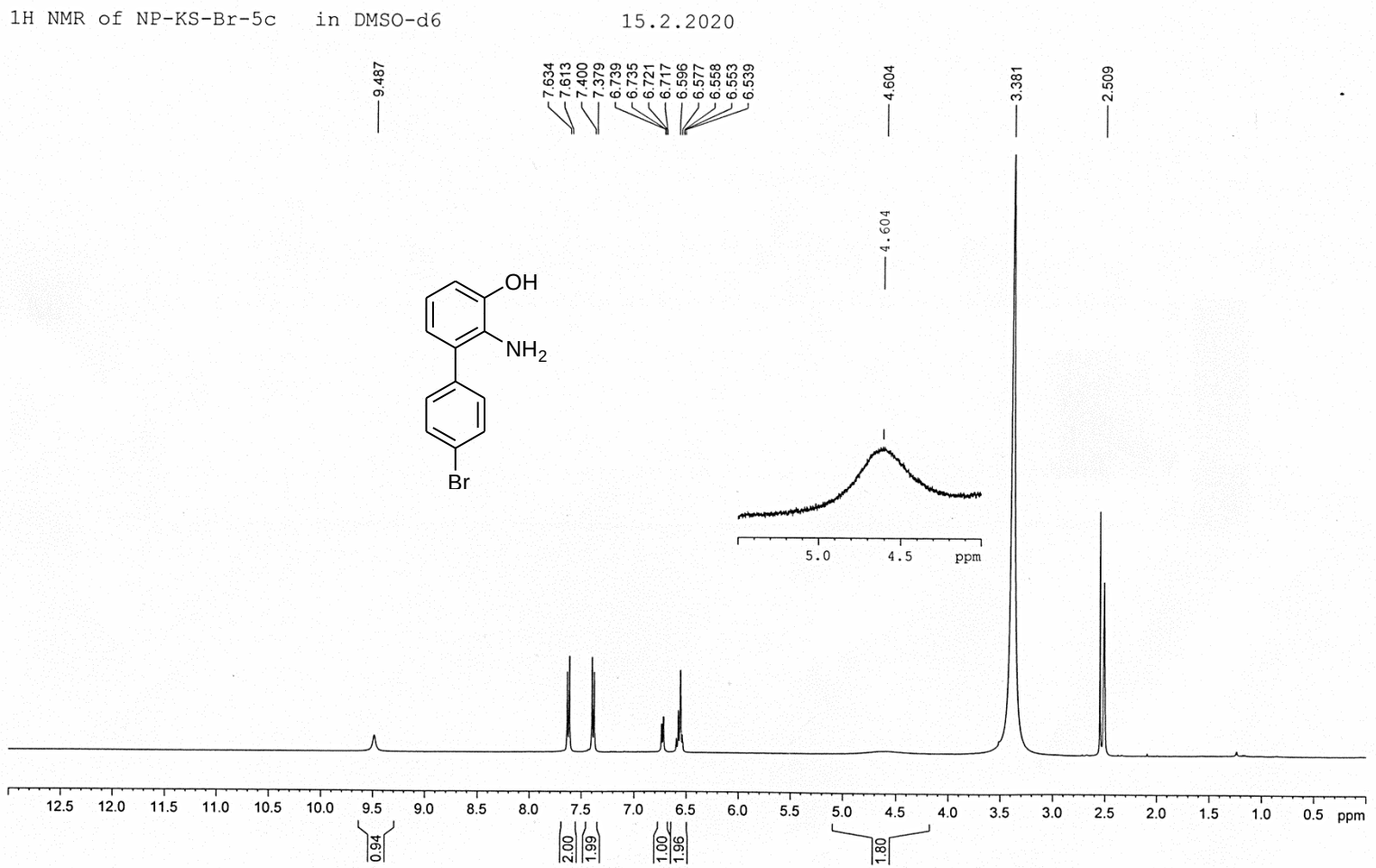
^{13}C NMR of 2-Amino-4'-chloro-biphenyl-3-ol (5b)



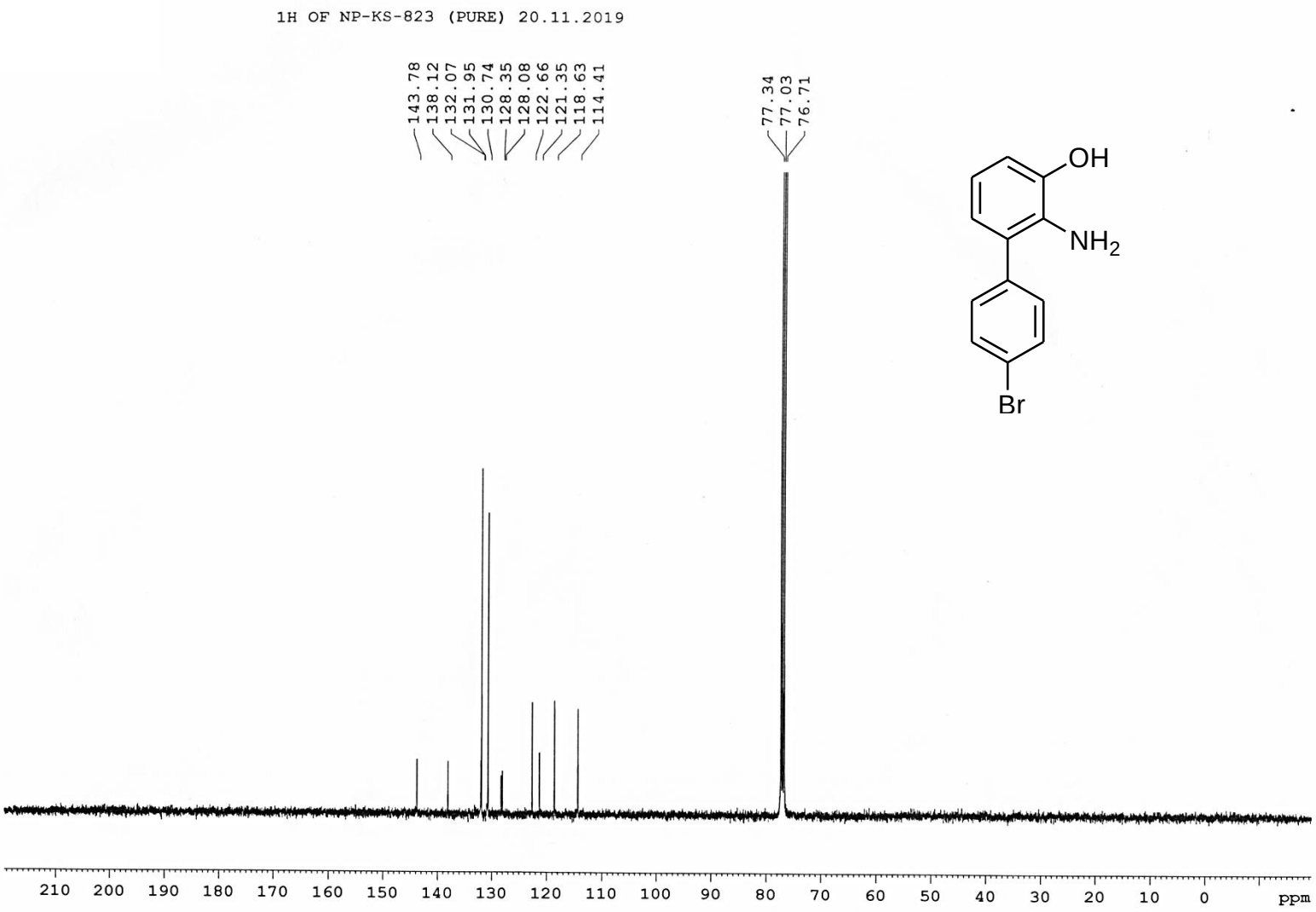
^{1}H NMR of 2-Amino-4'-bromo-biphenyl-3-ol (5c)



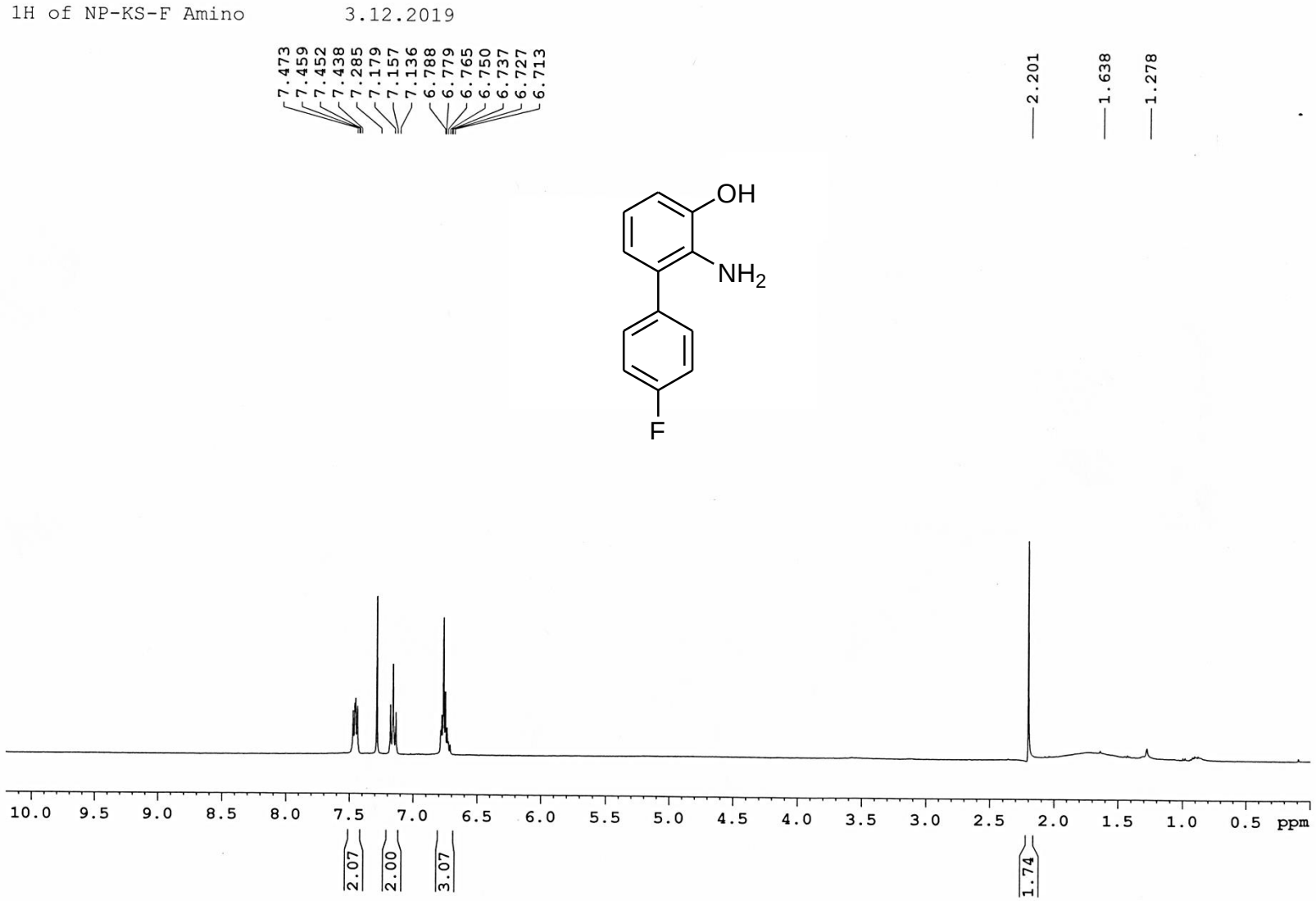
^{1}H NMR of 2-Amino-4'-bromo-biphenyl-3-ol (5c)



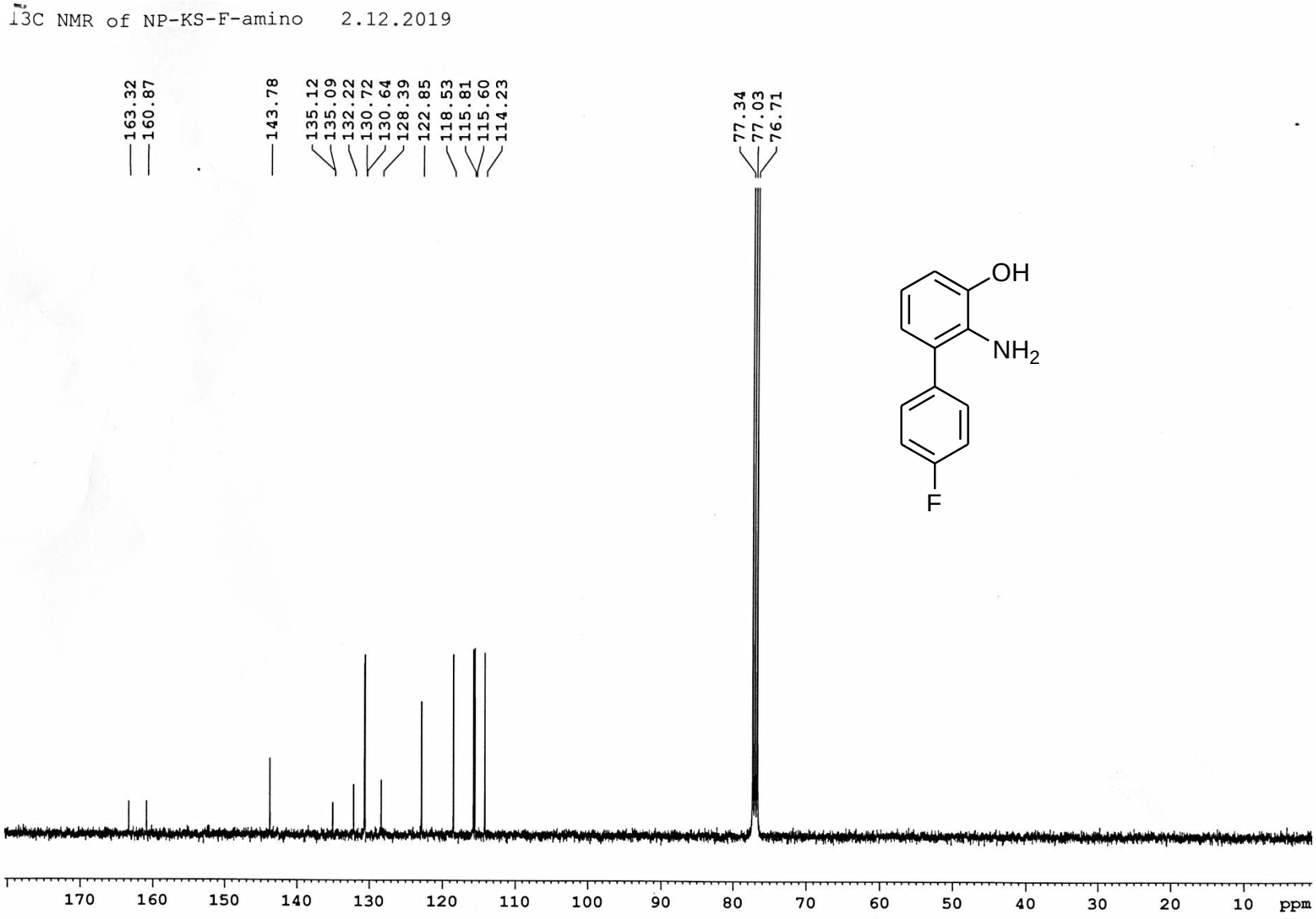
^{13}C NMR of 2-Amino-4'-bromo-biphenyl-3-ol (5c)



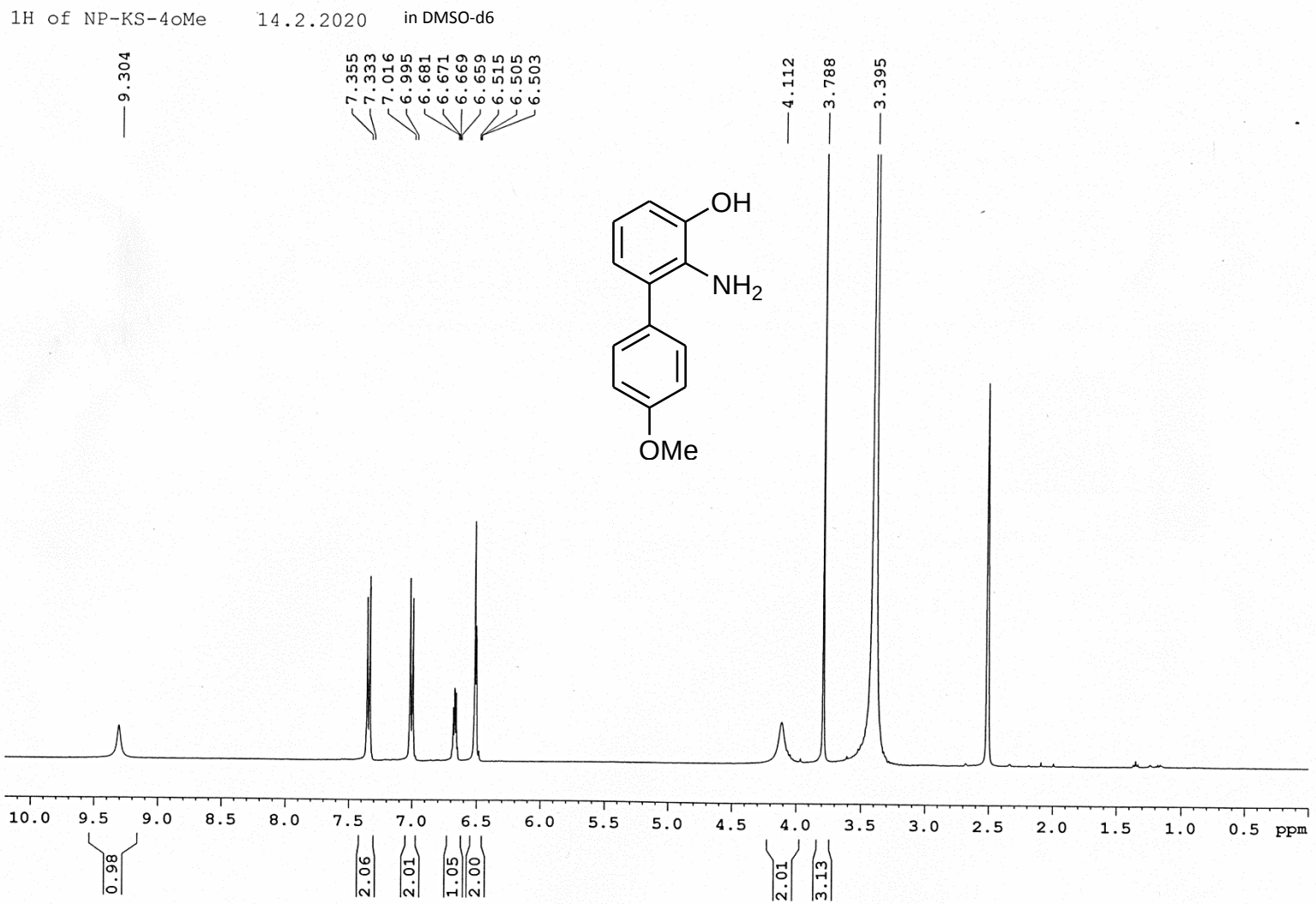
^{1}H NMR of 2-Amino-4'-fluoro-biphenyl-3-ol (5d)



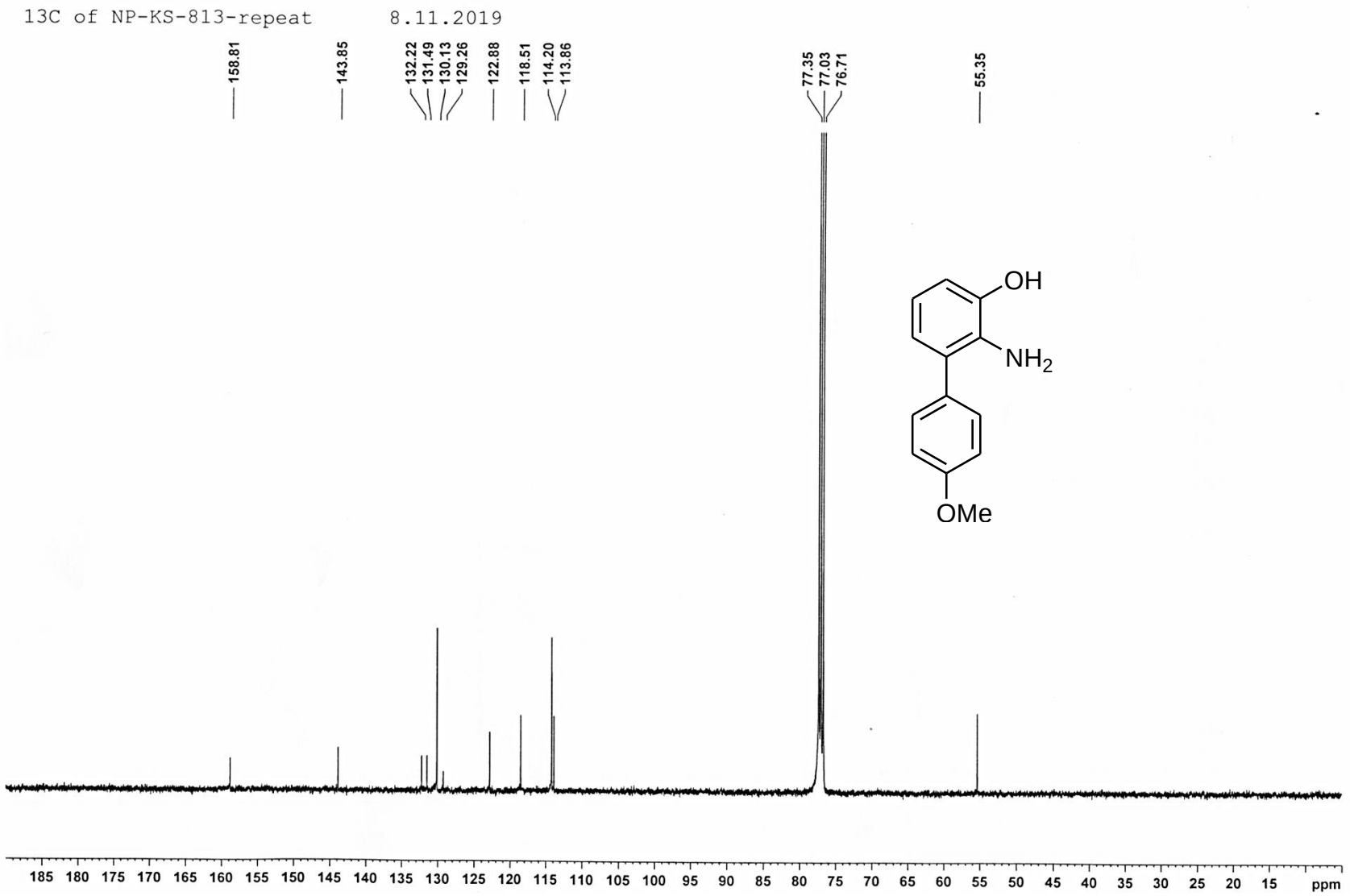
^{13}C NMR of 2-Amino-4'-fluoro-biphenyl-3-ol (5d)



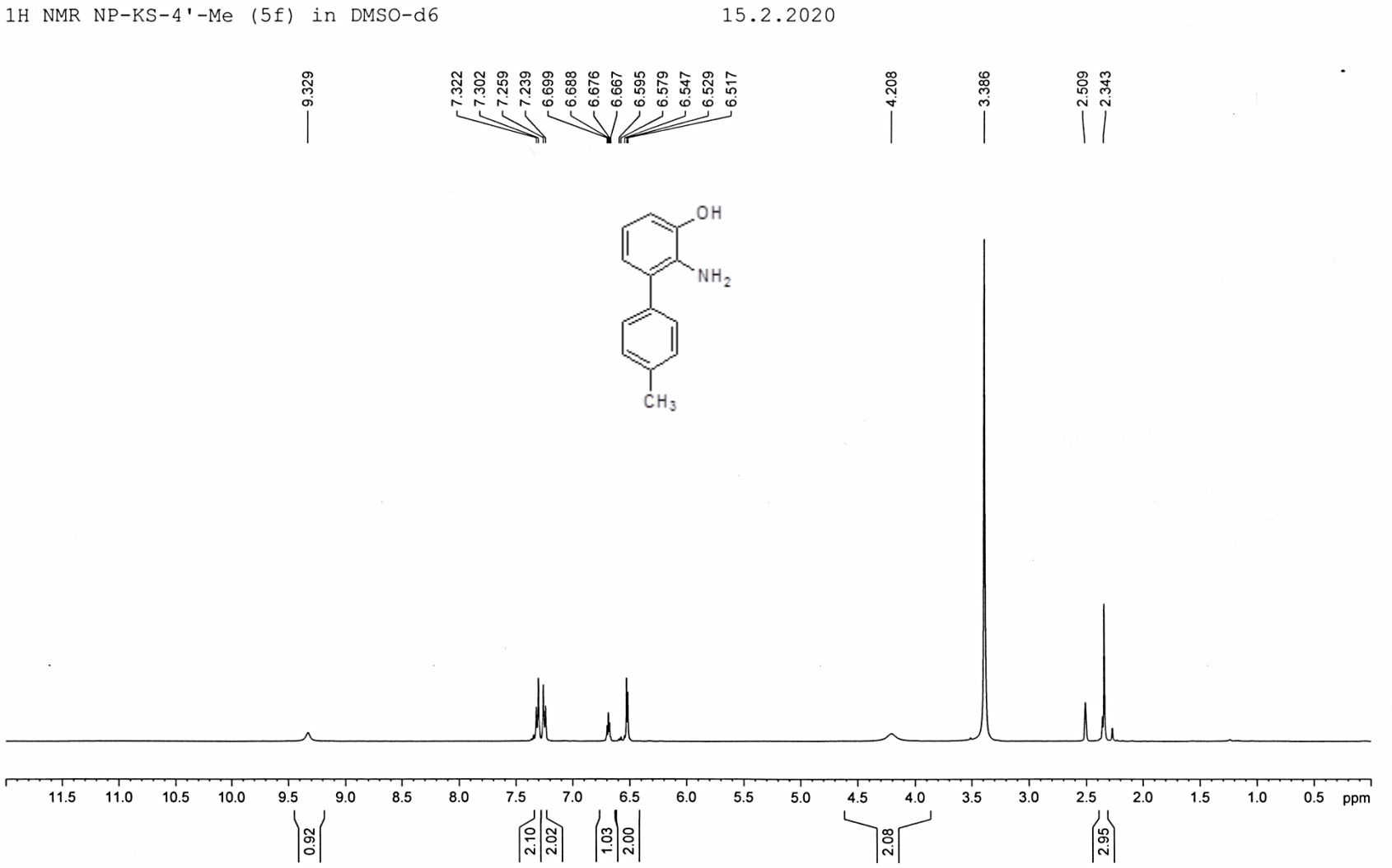
^{1}H NMR of 2-Amino-4'-methoxy-biphenyl-3-ol (5e)



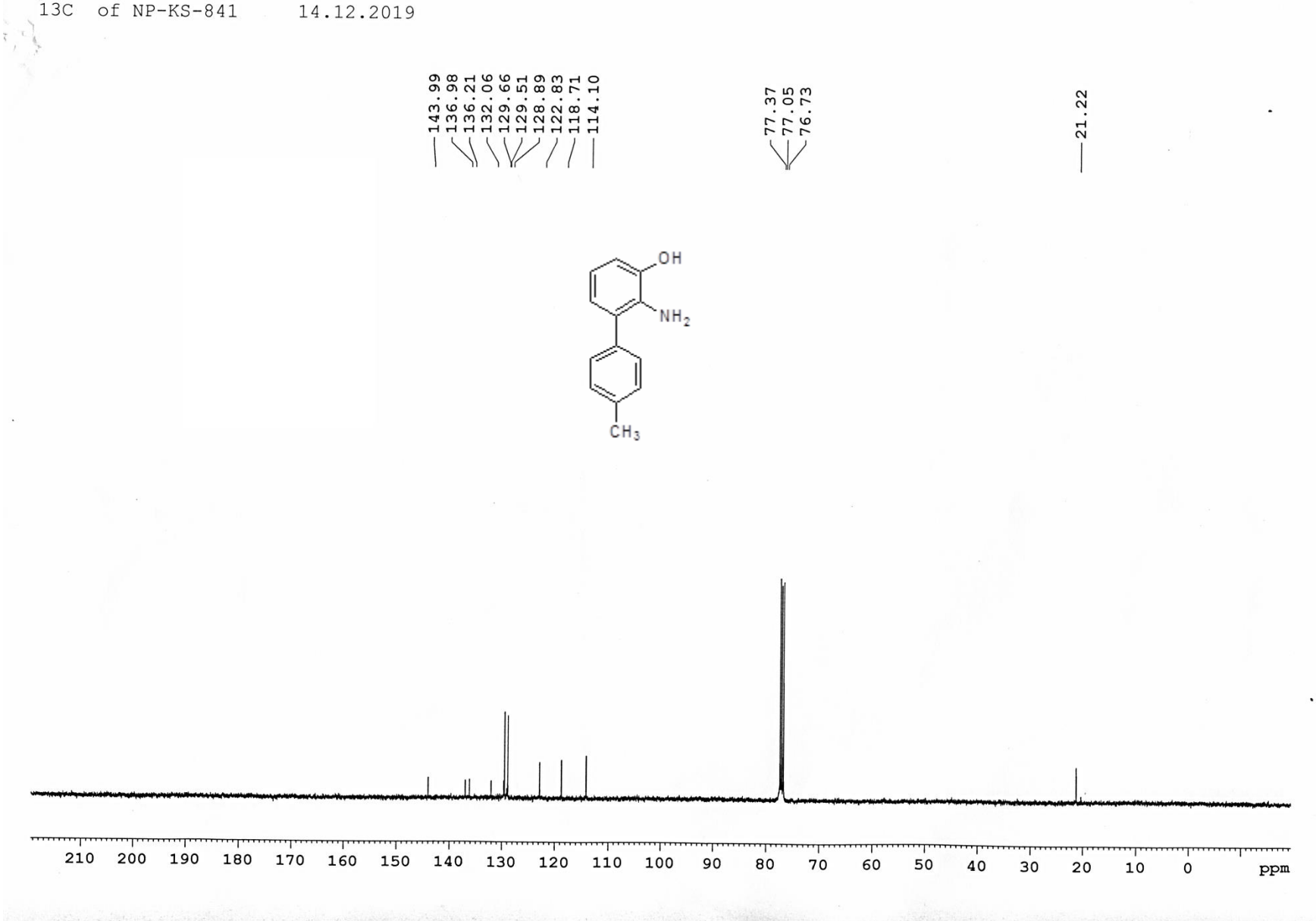
^{13}C NMR of 2-Amino-4'-methoxy-biphenyl-3-ol (5e)



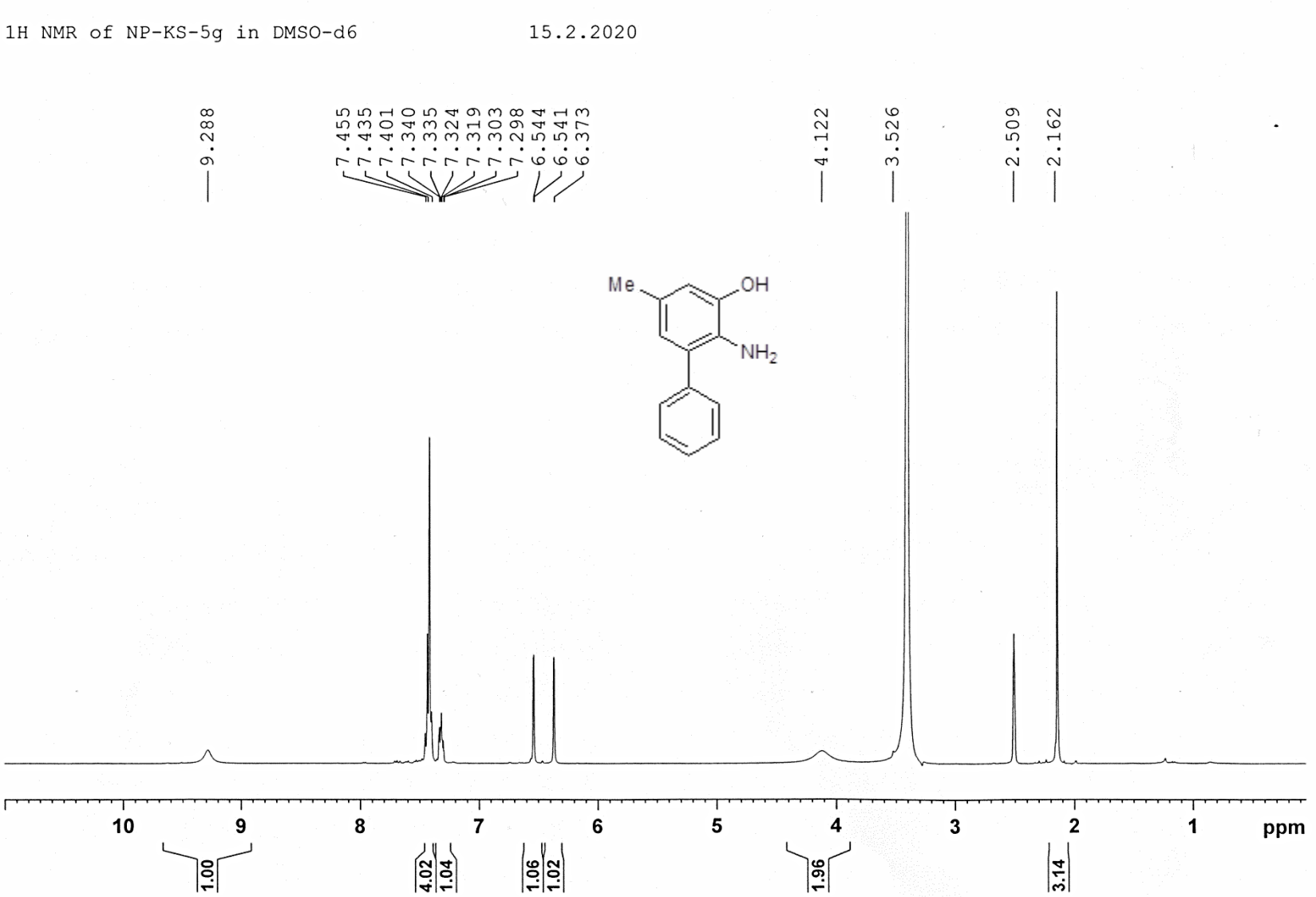
^{1}H NMR of 2-Amino-4'-methyl-biphenyl-3-ol (5f)



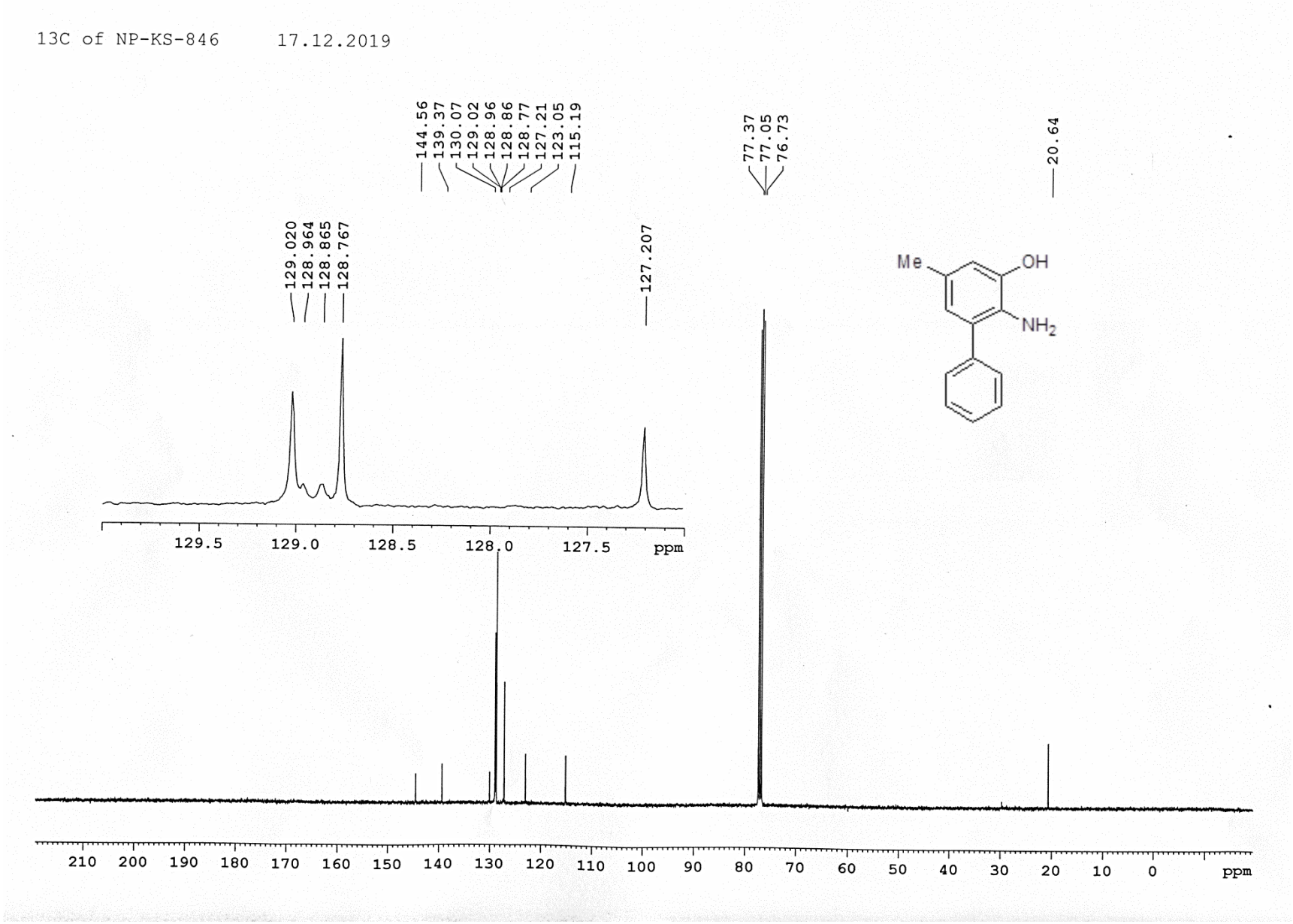
^{13}C NMR of 2-Amino-4'-methyl-biphenyl-3-ol (5f)



^{1}H NMR of 2-amino-5-methyl-biphenyl-3-ol **(5g)**



^{13}C NMR of 2-Amino-5-methyl-biphenyl-3-ol ***(5g)***



Deuterium exchange experiment